



1876

*S.p.A. Giulio Fiocchi-Lecco*  
*(Italy)*

# Catalogue

*Giulio Fiocchi S.p.A.*

*Lecco (Italy)*

*Established 1876*



HUNTING SHOOTING SPORTING  
AND MILITARY AMMUNITION

3<sup>rd</sup> edition 1961

## FIOCCHI & C. Società di fatto - LECCO

1876

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Fiocchi dott. ing. Giacomo  
*Director* - Gattini Franco

1916

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1961

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## PREFACE

1876

1961

*We present the third edition of the Catalogue for hunting, shooting sporting and military ammunition — and for some other similar or complementary items — of our production.*

*The continuous growth of the demand of customers from all over the world has given rise, in the recent years, to a remarkable quality development and to a corresponding enlargement of our modern plant. As to the quality, the articles manufactured by us are considered among the best: we have been pleased for many decades to hear favourable testimonials by our customers in Italy and abroad. Our technical improvements allows us to meet successfully the national and foreign competition.*

*Fiocchi enjoys a form of cooperation with his customers whereby they have often helped us with their valued observations of facts that are helpful and which would not otherwise come to our attention. We feel confident that this practice will continue to be helpful to us in the future.*

*The laboratories, workshops, technicians and managers of the Fiocchi Firm, are all at the disposal of our customers for whatever they may need in the ammunition field.*

*In this edition also we have collected all up-to-date data and information which hunters, dealers and sportmen are interested in, thus hoping to give them a helpful guide and an easy reading booklet about the functioning and use of cartridges.*

*This catalogue also provides data for a correct understanding and choice of anything which may be in connection with the firing and shooting of sporting ammunition.*

S.p.A.

GIULIO FIOCCI - Lecco

LECCO, December 1961

# CENTRE-FIRE METAL CARTRIDGES

## Synonyms List and Adapted Weapons



## CENTRE - FIRE PISTOL REVOLVER AND RIFLE CARTRIDGES

In order to facilitate the use of this Catalogue and to locate a cartridge with its respective gun, we have entered the best known calibers in a list including a group of synonyms, viz: names of other types of cartridges which are interchangeable even though variously named.

A special list gives the names of the main firearms with which that certain type of cartridge may be fired.

The calibers are as follows:

### Cal. 6,35 mm - **Browning-Beretta** - Cat. No. 101

#### Synonyms:

D.W.M. 508 A (Germany)  
G.R. 757 (Germany)  
.25 A.C.P. Auto Colt Pistol (U.S.A.)  
.25 A.S.P. Auto (U.S.A.)  
6,35 x 15,8 Browning Pistole (Germany)

#### Adapted for:

Astra Auto Pistol Firecat (Spain)  
Astra Auto Pistol Club (Spain)  
Beretta Automatico (Italy)  
Browning Auto FN (Belgium)  
Clement Auto (Belgium)

Colt A.P. Pocket Model (U.S.A.)  
Frommer Lilliput (Hungary)  
F.M.G. 5 Fabrica Material de Guerra (Chile)  
Le Français Auto Pistol (France)  
M.A.B. Manufacture d'Armes Automatiques Bayonne (France)  
Mauser Auto Pistol Mod. c (Germany)  
O.W.A. Oesterreichische Waffen A.G. (Austria)  
Star C.U. (Spain)  
Unique - Hendaye (France)  
Walther Mod. 1 to 9 (Germany)  
Webley & Scott Pocket Model (Great Britain)

### Cal. 7,65 mm - **Browning-Beretta** - Cat. No. 102

#### Synonyms:

D.W.M. 479 A (Germany)  
.30 Browning (U.S.A.)  
.32 A.C.P. Auto Colt Pistol (U.S.A.)  
.32 A.S.P. (U.S.A.)  
.32 Colt Automatic (U.S.A.)  
7,65 mm Mauser (Germany)  
7,65 mm Pistol Patrone 260 (h) (Germany)  
7,8 x 17,5 Browning (Germany)

#### Adapted for:

Astra Falcon and 300 (Spain)  
Bayard Auto Pistol mod. 1908 (Belgium)  
Beretta (Gardone V.T. - Italy)  
Browning M 1922 (Belgium)  
Clement M 1909 (Belgium)

D.W.M. Deutsche Waffen u. Munitionsfabriken (Germany)  
Frommer Baby (Hungary)  
Galesi - Pistole (Italy)  
Kessler F.W. (Germany)  
Llama M.X4 (Spain)  
Laugenhan Fritz (Germany)  
M.A.B. (Manufacture d'Armes Automatiques) (France)  
Mauser M 1910 and M 1934 (Germany)  
Remington Auto (U.S.A.)  
Rheinmetall (Germany)  
Sauer, Behorden Model (Germany)  
Smith & Wesson Auto (U.S.A.)  
Steyr Solothurn M 1908 (Austria)  
Star I and SI (Spain)  
Unique - Hendaye (France)  
Walther Mod. 3 K P P (Germany)  
Webley Scott Ltd. (Great Britain)

## Cal. 9 mm - Short M 34 - Cat. No. 103

### Synonyms:

9 mm Beretta Modello 1934 (Italy)  
9 mm M 34  
9 mm Short, Kurz  
D.W.M. 540  
.38 Colt Auto - Hammerless (U.S.A.)  
.380 A.C.P. (U.S.A.)  
.380 Auto Hammerless (U.S.A.)  
.380 Auto Webley (Great Britain)  
.380 C.A.P.H.  
9 mm Browning Short (Belgium)  
9 mm Pistole Patrone 400 (h) (Germany)

### Adapted for:

Astra Automatic Pistol Falcon and 3000 (Spain)  
Bayard M 1908 - 1930 (Belgium)  
Beretta M. 1934 (Italy)  
Browning M 1910-1922 (Belgium)  
Colt Auto Pistol Pocket (U.S.A.)  
C.A. Autom. Pistol M 1924-1938 (Czechoslovakia)  
Frommer - Stop. (Hungary)  
Llama mod. III A  
Mann Fritz (Germany)  
Remington Auto Pistol M 51 (U.S.A.)  
Savage Auto Pistol M 1917 (U.S.A.)  
Star Mod S and Super S and DK (Spain)  
Walther - PP and PPK (Germany)  
Webley & Scott (Great Britain)

## Cal. 9 mm - Long M 38 - Cat. No. 104

### Synonyms:

9 mm Long Beretta M 38  
9 mm Long  
9 mm M 38  
9 mm Luger (U.S.A.)  
9 mm Parabellum (Germany)  
D.W.M. 480 C and D (Germany)  
D.W.M. 487 C (Germany)  
9 mm Pistolen Patrone 400 (b) (Germany)  
9 mm Pistolen Patrone 08 (Germany)  
9 mm Pistolen Patrone M 1941 (Germany)  
9 mm Pour Mi 34 and GP (France)  
9 mm Swedish m/34 (Sweden)  
9 mm 40 M Parabellum

### Germany

Luger P Parabellum M 08 Pistol  
Walther - mod. HP Pistol  
Walther - mod. P 38 Pistol  
Bergmann - Machine Pistol M 1934  
Erma " "  
Neuhausen " "  
Schmeisser " " 38 - 40  
Schmeisser " " 28 II  
Steyr Solothurn - Machine Pistol M 34

### Italy

Beretta - Autom. Pistol M 1951  
Beretta - mitra M 1938/A  
- " M 38/A/42  
- " M 38/A/44

### Adapted for:

#### Australia

Owens Submachine Guns Mark I - II  
Austen Submachine Guns Mark I - II

#### Belgium

Browning Automatic Pistol Hi-Power (.35). Luger - 13  
Ord. Belgian Pistol

#### Denmark

Madsen Submachine Guns M 45 - 46

#### Finland

Suomi Autom. Pistol  
Suomi Submachine Guns

### Great Britain

Lanchester Submachine Gun M K I  
Sten Submachine M K I to V

### Holland

Luger - Wickers Armstrong Pistol UD  
Luger - Wickers Armstrong Submachine Gun UD

### Poland

Rodom M 35 Pistol

### Spain

Astra Auto Pistol mod. Condor and 400  
Llama Autom. Pistol mod. XI and VIII  
Super  
Star mod. A and Super A



*Sweden*

Lahti M 40 Auto Pistol

*Switzerland*

Neuhausen 44/16 Auto Pistol

Solothurn 43 Machine Pistol

Furrer L.M.G.

*U.S.A.*

Sedgley Submachine Gun

Submachine Gun M3

United Defense Gun

Smith & Wesson Auto Pistol

Smith & Wesson Light Rifle M 40

Smith & Wesson Auto Carbine

**Cal. 7,65 mm - Mauser - Cat. No. 106**

**Synonyms:**

D.W.M. 403

.30 Auto Mauser

.30 Mauser

**Adapted for:**

Astra Auto Pistol M 900 (Spain)

Astra Machine Pistol (Spain)

Mauser M 1898 (Germany)

Neuhausen - Machine Pistol (Switzerland)

Schmeisser - M.P. 28 II (Germany)

**Cal. 7,65 mm - Parabellum Borchardt - Cat. No. 108**

**Synonyms:**

7,65 mm Borchardt Auto 1910

7,65 mm Luger

7,65 mm Luger - Borchardt

D.W.M. 471

.30 Luger

**Adapted for:**

Glisenti - Autom. Pistol (Italy)

Luger - Autom. Pistol (Germany)

Neuhausen - Autom. Pistol (Switzerland)

Steyr Solothurn - Autom. Pistol (Germany)

**Cal. 9 mm - Parabellum - Cat. No. 111**

Similar to the 9 mm M 38 type (No. 104) but with truncated-conical bullet and weaker powder charge.

Specially used in automatic pistols.

This type is almost always replaced by ogival round point 9 mm bullet (Cat. No. 104 or 112) which gives better loading results with fast-firing automatic weapons.

**Cal. 9 mm - Luger - Cat. No. 112**

Similar to No. 111 and analogous to No. 104 which it is interchangeable with. Slightly heavier ogival round point bullet.

**Cal. 9 mm - Glisenti 1910 - Beretta 1915 - Cat. No. 113**

**Synonyms:**

This cartridge is similar to the above mentioned Nos. 112 ÷ 105 but with a weaker charge

This type is suitable for the following pistols

**Adapted for:**

Glisenti Autom. Pistol M 1910 (Italy)

Beretta Auto Pistol 1915 (Italy)

Steyr Auto Pistol 1911 (Austria)

Union Auto Pistol (France)

Brixia Auto Pistol (Italy)

Mauser M 1898 Auto Pistol (Germany)

Beretta - Carabina Semi-autom. 1918-1920 (Italy)

### Cal. 9 mm - Long Browning - Cat. No. 114

**Synonyms:**

9 mm Long Remington  
9 mm Army Browning  
9 mm Auto Pistol  
9 mm Swedish m/07

**Adapted for:**

Astra Autom. Pistol (Spain)  
Browning Militaire M (Belgium)  
Le Français A.P. (France)  
Webley - Semiautom. A.P. (Great Britain)  
Schmeisser - Machine Pistole (Germany)  
Swedish - Suomi 1937 (Sweden)

### Cal. 9 mm - Steyr Roth - Cat. No. 115

**Synonyms:**

D.W.M. 577  
G.R. 892  
9 mm Mannlicher  
9 mm M 12 Scharfe P.

**Adapted for:**

Repetier Pistolen M 11  
Steyr Hahn  
Steyr M 1911  
Steyr Mod. 12

Very similar to cal. 9 mm Bergmann Bayard, with the only difference of a lighter bullet weight and a less tapered case.

### Cal. 9 mm - Bergmann Bayard - Cat. No. 116

**Synonyms:**

D.W.M. 456 - B  
9 mm Bayard  
9 mm Mars No. 6 (Belgium)  
9 mm Star Auto Pistol (Spain)

**Adapted for:**

Astra Autom. Pistol (Spain)  
Bergmann Bayard (Denmark)  
Star Machine Pistole (Spain)

The 9 mm Bergman Bayard type differs from .38 Colt A.P. a.f.: the 9 mm Bergman Bayard is a rimless tapered case, whereas the .38 is a semirimmed straight case.

### Cal. .38 - Auto Colt Pistol - Cat. No. 118

**Synonyms:**

.38 A C P  
.38 Colt Auto

**Adapted for:**

Astra Autom. Pistol (Spain)

Colt Auto Pistol M 1900 (U.S.A.)  
Colt Auto Pistol Steyr 38 (U.S.A.)  
Thompson Submachine Gun (U.S.A.)  
Webley Auto Revolver (Great Britain)  
Webley & Scott Pistol (Great Britain)

For comparison, we list the average dimensions of the three very similar cartridge types:

Cal. 9 mm	Steyr	Bergmann Bayard	38 Colt AP
Weight of bullet . . . .	115 grs.	128 grs.	130 grs.
Diameter of bullet . . .	.3559 in.	.3559 in.	.3559 in.
<b>Case:</b>			
Neck diameter . . . . .	.3811 in.	.3819 in.	.3819 in.
Head diameter . . . . .	.3819 in.	.3878 in.	.3819 in.
Rim diameter . . . . .	.3811 in.	.3878 in.	.4035 in.
Length . . . . .	.9055 in.	.9055 in.	.8976 in.

### Cal. .45 - Auto Colt M 11 - Cat. No. 119

**Synonyms:**

.45 Ball G.M. 1911  
.45 A.C.P.

**Adapted for:**

Argentina - Auto Colt Pistole (Argentina)  
Colt Auto Pistol 1911 (U.S.A.)

Colt New Service Revolver (U.S.A.)  
Colt Shooting Master Revolver (U.S.A.)  
Norwegian Auto Pistol M 14 (Norway)  
Smith & Wesson 1917 Revolver (U.S.A.)  
Star Auto Pistol (Spain)  
Harrington Richardson Submachine Gun M 50 - 55 - 60 (U.S.A.)  
Thompson Submachine Gun (U.S.A.)  
Marling/Submachine Gun M 2C M3 (U.S.A.)

### Cal. .38 - Smith & Wesson short - Cat. No. 130 and 131

**Synonyms:**

D.W.M. 260  
8,15 x 15,30 S & W. Revolver  
Cal. .38 S & W. short  
Cal. .38 Smith & Wesson  
Cal. .38 Luger Police  
D.W.M. 261  
9,20 x 19,80 .38 Revolver

**Adapted for:**

Aldazabal Eibar (Spain)

Bayard (Belgium)  
Colt - Bisley (U.S.A.)  
Colt - New Police (U.S.A.)  
Colt - Police Positive (U.S.A.)  
Iver Johnson (U.S.A.)  
Smith & Wesson (U.S.A.)  
Pickert (Germany)  
Webley MK III (Great Britain)  
Gustav Genschow (Germany)  
Baston Bull Dog (U.S.A.)  
Merwin Hulbert (U.S.A.)

### Cal. .38 - Smith & Wesson Special - Cat. No. 133 and 134

#### Synonyms:

.38 Special Police  
.38 Smith & Wesson Special  
.38/44 Special

Colt Army Special (U.S.A.)

» New Service (U.S.A.)  
» Police P. Special (U.S.A.)

Gustav Genschow (Germany)

Orbea Revolver (Spain)

Smith & Wesson - 357 M. (U.S.A.)

» » - Outdoorsman

#### Adapted for:

Aldazabal Eibar (Spain)

» » (U.S.A.)

» » - Heavy Duty (U.S.A.)

» » - Police K (U.S.A.)

Also adapted for all firearms provided with chamber suitable for cal. 357 Magnum and cal. .38 Colt Special.

### Cal. .320 - Short - Cat. No. 140 and 141

#### Synonyms:

.320 Revolver C F  
.32 Webley  
G R 97  
8 x 16,5 Revolver  
7 mm Revolver

#### Adapted for:

Albretch Baby (Germany)

Schulhof Mag. Pistol (Austria)

Thomas Revolvers (U.S.A.)

Tranter Revolvers (Great Britain)

Webley No. 2 and MK III (Great Britain)

Also adapted for all firearms provided with chamber suitable for .32 Colt Short and 320 Long.

### Cal. .380 - Short - Cat. No. 146 and 147

#### Synonyms:

D.W.M. 193  
G R 100  
8,9 x 17,38 Kurz  
9,1 x 17,5 .380 Kurz  
9,5 x 18 .380  
9 mm Revolver C F

#### Adapted for:

Arminius (Germany)

Galand (U.S.A.)

Lanchester (Great Britain)

Webley No. 5 (Great Britain)

Many other types with slight differences in chamber length and diameter. This cartridge may be fired with cal. .380 Long.

### Cal. .380 - Long - Cat. No. 149 and 150

#### Synonyms:

D.W.M. 218  
G R 104  
9,10 x 24,25 .380 Long  
9,5 x 24,5 kal .380

#### Adapted for:

Rook and Rabbet Rifles (Great Britain)

Lanchester (Great Britain)

Webley (Great Britain)

Holland Rook Rifle (Great Britain)

Colt Long (U.S.A.)



### Cal. .450 - Short - Cat. No. 152

#### Synonyms:

.45 Webley  
D.W.M. 192  
G R 78  
.450 Adams  
.450 Colt  
11,5 x 18 Kal. .450  
12 mm Revolver C F

#### Adapted for:

Galand e Sammerville (U.S.A.)  
Smith & Wesson New Center (U.S.A.)  
Thomas Patent (U.S.A.)  
Tranter (Great Britain)  
Webley (Great Britain)  
Williams e Powell (U.S.A.)

This cartridge may also be fired with revolvers chambered for .45 Webley .455 Mark I and II - .476 Enfield Mark III.

### Cal. 5,75 mm - Velo-Dog - Cat. No. 164

#### Synonyms:

5,5 No. 8 Velo Dog (France)  
5,6 Velo-Dog  
5,8 x 30 Velo-Dog  
6 mm Velo-Dog

#### Adapted for:

Galand (U.S.A.)

### Cal. 7,5 mm - Swiss Ordnance - Cat. No. 165 and 166

#### Synonyms:

7,5 mm Swiss Nagant  
D.W.M. 421  
7,5 (295) Nagant  
7,5 Schmidt  
7,72 x 23,10 Schweiz Kal. 7,5

#### Adapted for:

Swiss Ordnance Revolver Mod. 82/29

### Cal. 7,62 mm - Russian Nagant - Cat. No. 168

#### Synonyms:

7,62 Revolver Patron 2602 (r)  
G R 684 - 8 x 38 mm

### Cal. .38 - Long Colt - Cat. No. 172 and 173

#### Synonyms:

.38 Long C F

— New Army (U.S.A.)  
— New Line House Pistol (U.S.A.)  
— New Service Revolver (U.S.A.)  
— Official Police  
— Shooting Master  
— Single Action Bisley  
Smith & Wesson - M. 1905

#### Adapted for:

Colt - Lightning Model (U.S.A.)

And for all arms properly chambered for the following cartridges: .38 Colt Special - .38 S. & W. Special - .357 Magnum.

**Cal. 10,4 mm - Italian Ordnance - Cat. No. 174**

**Synonyms:**

10,35 mm Chamelot - Delvigne M 1874  
10,35 mm Glisenti M 1889  
10,4 mm Bodego

**Cal. .442 - Webley - Cat. No. 177**

**Synonyms:**

D.W.M. 221  
44 Webley  
442 Tranter

10,5 x 17 Kurz  
10,85 x 18,80 cal. 442  
10,9 x 17,5 Kurz 442

Enfield (Great Britain)  
Tranter (Great Britain)  
Webley (Great Britain)

**Cal. 11,3 mm - Montenegrino - Cat. No. 178**

**Synonyms:**

G.R. 287  
44 Montenegrino  
11 mm Gasser M 1870 (Austria)  
11.15 x 36 Montenegriner  
11.5 Montenegrino Serbo  
11.75 Montenegrino

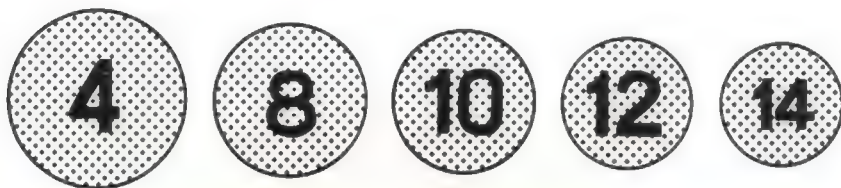
## Shotgun shells



# SHOTGUN CARTRIDGE CASES

## GAUGE

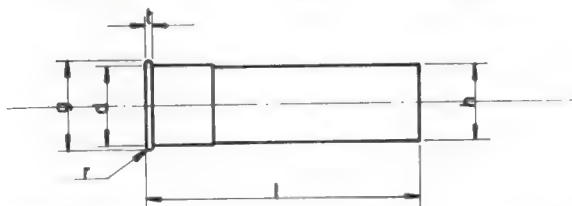
Minimum and maximum standard dimensions for shotgun cartridge cases established by the International Convention and adopted by Giulio Fiocchi S.p.A.



CALIBRE	l		h		d		g		t	
	Cartridge Case						Rim			
	Actual length		Paper tube diameter		Head diameter at base		Outside diameter		thickness at dmax	
	max	min	max	min	max	min	max	min	max	min
4 **	3.976	3.957	1.032	1.022	1.087	1.079	1.197	1.187	.128	.118
4 Fr	3.937	3.917	1.035	1.028	1.047	1.039	1.126	1.118	.071	.063
8 **	3.244	3.220	.909	.902	.927	.919	1.032	1.024	.114	.104
8 Fr	3.937	3.917	.913	.906	.925	.913	1.004	.996	.071	.063
10	2.559	2.532	.839	.829	.854	.848	.931	.921	.075	.065
12	2.559	2.532	.795	.785	.811	.805	.884	.874	.073	.063
14	2.559	2.532	.760	.750	.774	.768	.844	.835	.069	.061
16	2.559	2.532	.730	.720	.744	.738	.813	.803	.065	.057
20	2.559	2.532	.683	.673	.697	.691	.764	.756	.061	.053
24	2.500	2.472	.648	.638	.659	.656	.726	.719	.061	.053
28	2.500	2.472	.612	.602	.624	.620	.685	.677	.061	.053
32	2.500	2.472	.561	.551	.573	.557	.634	.626	.061	.053
.410	1.996	1.969	.463	.455	.472	.468	.535	.528	.061	.053
	inches		inches		inches		inches		inches	

The lengths of this table correspond to the nominal values of 2½ inches. Other defined lengths are a.f.:

	max	min
2 3/4" . . . . .	2.748	2.720 inches
2 7/8" . . . . .	2.866	2.839 inches
3" . . . . .	2.992	2.965 inches
3 1/4" . . . . .	3.244	3.217 inches



\*\* = Dimensions adopted by Giulio Fiocchi S.p.A. and derived from the corresponding chamber dimensions (see page 23) adopted by the «Italian Proof House» and by the «Birmingham Provincial Gunmakers Association».

Fr = French dimensions for shotgun cartridges (Central Bourrelet No. 2).



# STANDARD SHOT GUN CHAMBER SIZES

## CALIBRES

Minimum and maximum standard sizes for Shot Gun Chambers established by the International Convention.

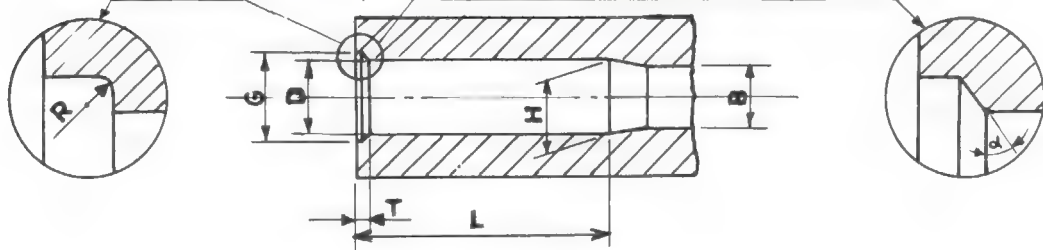


Bore of Gun	L	H		D		G		T		B		
	Chamber						Rim Recess				Gauge	
	Length decimal	Diameter at front		Diameter under head		Diameter		Depth		Bore diameter at 9 inches		
	min	min	max	min	max	min	max	min	max	min	max	
4**	4.000	1.035	1.039	1.091	1.094	1.201	1.205	.130	.134	.919	.935	
4Fr	3.957	1.039	1.043	1.051	1.055	1.130	1.134	.073	.077	.921	.937	
8**	3.252	.913	.917	.931	.933	1.035	1.039	.116	.120	.819	.835	
8Fr	3.957	.917	.921	.929	.933	1.008	1.012	.073	.077	.819	.853	
10	2.563	.843	.846	.856	.858	.935	.939	.075	.077	.760	.776	
12	2.563	.799	.803	.813	.827	.888	.892	.073	.075	.717	.732	
14	2.563	.762	.766	.775	.780	.848	.852	.069	.071	.677	.693	
16	2.563	.732	.736	.746	.750	.817	.821	.065	.067	.661	.677	
20	2.563	.685	.689	.699	.703	.768	.772	.061	.063	.618	.634	
24	2.504	.650	.654	.661	.665	.738	.734	.061	.063	.579	.594	
28	2.504	.614	.618	.626	.630	.689	.693	.061	.063	.543	.559	
32	2.504	.563	.567	.575	.579	.638	.642	.061	.063	.500	.516	
.410	2.000	.465	.468	.474	.478	.539	.543	.061	.063	.402	.417	
	inches	inches		inches		inches		inches		inches		

The chamber shall have a square recess with a radius  $R = .02$  or, in alternative, angle  $\alpha = 35^\circ$  max.

Other defined lengths are a.f.:

	min
2 3/4"	2.752 inches
2 7/8"	2.874 inches
3"	3.000 inches
3 1/4"	3.252 inches



\*\* = Standard dimensions established by the «London Gunmakers Association» and by the National «Italian Proof House», Gardone V.T. (Brescia-Italy).

Fr = French gauge dimensions for shotgun cartridges (Central Bourrelet No. 2).

# STANDARD SHOT CHART

Number, size, weight, used by most North Italy manufacturers and by  
GIULIO FIOCCHI'S loading

Number	12	11	10	9	8	7	6	5	4
		●	●	●	●	●	●	●	●
Diameter mm . .	1,5	1,7	1,9	2,1	2,3	2,5	2,7	2,9	3,1
No./gram . . .	51,3	35,2	25,2	18,7	14,2	11,1	8,77	7,10	5,80
No./ounce . . .	1454	998	714	530	402	315	248	201	164
Grams/1000 . .	19,5	28,4	39,6	53,5	70,3	90,4	114	141	173

Lead specific gravity (average) = 6.46 oz/cu. in.

Number	3	2	1	0	2/0	3/0	4/0	5/0
		●	●	●	●	●	●	●
Diameter mm . . . .	3,3	3,5	3,7	3,9	4,1	4,3	4,5	5
No./gram . . . . .	4,78	4,00	3,40	2,90	2,48	2,15	1,87	1,36
No./ounce . . . . .	135	113	96	82	70	61	53	39
Grams/1000 . . . . .	209	250	295	346	403	465	534	735

Lead specific gravity (average) = 6.50 oz/cu. in.

NOTE: 1 ounce = 28,350 grammes (see page 28 and 29).

# SHOT AND BUCKSHOT COMPARISON TABLE

## SHOT





Diam. mm φ	Italy No.	Great Britain No.	U.S.A.		Austria No.	Belgium No.	France No.	Germany No.	Holland No.	Sweden No.
			West No.	East No.						
1.2	—	Dust	12	—	—	12	12	12	—	—
1.5	12	12	11	—	—	11	11	11	12	—
1.7	11	11-10	10	—	—	10	10	10	11-10	—
1.9	10	—	—	—	—	—	—	—	—	000
2.1	9	9	9	—	15	9	9	9	9	00
2.3	8	8	8	—	14	8	8	8	8	0
2.4	7½	7	7½	—	13	—	—	—	7	—
2.5	7	6½	7	—	12	7	7	7	—	1
2.7	6	6	—	—	11	Kl. 6	6	6	—	2
2.9	5	5	6	—	—	—	—	—	—	—
3.1	4	4	5	—	10	Gr. 6	5	5	G 6	3
3.3	3	3	4	—	9	5	4	4	—	4
3.5	2	2	3	—	8	4	3	3	4-5	5
3.7	1	1 or B	2	—	7	3	2	2	3	6
3.9	0	B	—	—	—	—	—	—	—	—
4.1	2/0	BB	1	—	6	2	1	1	0-1	7
4.3	3/0	BBB	B	—	5	1	0	0	00	8
4.5	4/0	A	BB	—	4	0	00	2/0	—	9
4.7	—	—	BBB	—	2	00	3/0	3/0	—	10

## BUCKSHOT





5.-	5/0	AA	0 Buck	1	3/0	4/0	4/0	—	11
5.2	—	AAA	00 Buck	—	4/0	5/0	5/0	—	12
6.2	7/0	SSSG	3 Buck	—	—	C.4	—	—	—
6.8	8/0	SSG	2 Buck	—	—	C.3	—	B5	—
7.5	9/0	Spec.SG	1 Buck	—	—	C.2	—	B6	—
8.4	11/0	SG	00 Buck	—	—	C.1	—	B8	—
9.1	12/0	LG	000 Buck	—	—	—	Posten II	—	—

# BUCKSHOT LOADS (French Type)





## 12 Ga. Table

Diameter of a pellet . . .	0.34055 in.	0.30118 in.	0.26772 in.	0.24409 in.
Weight of a pellet . . .	57.091 grs.	41.661 grs.	29.317 grs.	21.602 grs.
Pellets in layer No. . .	3	4	5	7
Layers No. . . . .	3	3	3 or 4	3 or 4
Total No. . . . .	9	12	15 or 20	21 or 28
Total weight . . . . .	1.17549 oz.	1.13471 oz.	1.0060 oz. or 1.3414 oz.	1.0378 oz. or 1.3837 oz.
Numbers . . . . .	C 1	C 2	C 3	C 4
12 Ga.				
Weight of a pellet . . .	57.091 grs.	41.661 grs.	29.317 grs.	21.602 grs.
Diameter . . . . .	0.34055 in.	0.30118 in.	0.26772 in.	0.24409 in.

## 16 Ga. Table

Diameter of a pellet . . .	0.31102 in.	0.27756 in.	0.24803 in.	0.22244 in.
Weight of a pellet . . .	43.975 grs.	30.86 grs.	23.145 grs.	16.873 grs.
Pellets in layer No. . .	3	4	5	7
Layers No. . . . .	3	3	4	4
Total No. . . . .	9	12	20	28
Total weight . . . . .	0.9054 oz.	0.8472 oz.	1.059 oz.	1.0872 oz.
Numbers . . . . .	C 1 bis	C 2 bis	C 3 bis	C 4 bis
16 Ga.				
Weight of a pellet . . .	43.975 grs.	30.86 grs.	23.145 grs.	16.873 grs.
Diameter . . . . .	0.31102 in.	0.27756 in.	0.24803 in.	0.22244 in.

## 20 Ga. Table

Diameter of a pellet . . .	0.28740 in.	0.25394 in.	0.22835 in.	0.20276 in.
Weight of a pellet . . .	35.489 grs.	24.688 grs.	17.744 grs.	12.344 grs.
Pellets in layer No. . .	3	4	5	7
Layers No. . . . .	3	3	4	4
Total No. . . . .	9	12	20	28
Total weight . . . . .	0.730 oz.	0.6777 oz.	0.8119 oz.	0.7907 oz.
Numbers . . . . .	C 1 ter	C 2 ter	C 3 ter	C 4 ter
20 Ga.				
Weight of a pellet . . .	35.489 grs.	24.688 grs.	17.744 grs.	0.20276 in.
Diameter . . . . .	0.28740 in.	0.25394 in.	0.22835 in.	12.344 grs.



## BUCKSHOT LOADS

### — British Type —

Gauge	Number of Pellets per Load	Shot Size
12/2¾	8	LG
	12	SG
	16	Spec. SG
	44	AAA
12/2½	6	LG
	9	SG
	12	Spec. SG
	37	AAA
16/2¾	8	SG
	12	Spec. SG
	40	AAA
16/2½	9	Spec. SG
	12	SSG
	33	AAA
20/2½	12	SSG
	27	AAA

## BUCKSHOT LOADS

### — American Type —

Gauge	Shot Size	Layers	Pellets in Layer	No. of Pellets per Load
12/2¾	00 Buck	3	3	9
12/2¾	0 "	3	4	12
12/2¾	1 "	4	4	16
12/2¾	4 "	4	7 (*)	27
16/2¾	1 "	3	4	12
20/2¾	3 "	4	5	20

(\*) Six in top layer.

## CONVERSION TABLES

Metric unit	Metric symbol	British symbol	British unit
<b>Length</b>			
millimetre . . . . .	1 mm	= .0384 in	inches
centimetre . . . . .	1 cm	= .3940 in	inches
metre . . . . .	1 m	= 3.2800 ft.	feet
metre . . . . .	1 m	= 1.0933 yds.	yards
kilometre . . . . .	1 km	= 0.6214 mi.	statute mile
kilometre . . . . .	1 km	= 0.5396	sea mile
<b>Surface</b>			
square centimetre . . .	1 cmq	= .1550 sq.in.	square inches
square metre . . . . .	1 mq	= 10.7630 sq.ft.	square feet
<b>Volume</b>			
cubic decimetre . . . .	1 sec	= 61.0200 cu.in.	cubic inches
cubic decimetre . . . .	1 dmc	= 0.0353 cu.ft.	cubic feet
cubic metre . . . . .	1 mc	= 35.3148 cu.ft.	cubic feet
<b>Weight</b>			
gram . . . . .	1 g	= 15.4300 grs.	grains
gram . . . . .	1 g	= 0.0353 ozs.	ounces
kilogram . . . . .	1 kg	= 2.2046 lbs.	pounds
ton . . . . .	1 t	= 19.6000 cwt.	hundredweight
ton . . . . .	1 t	= 0.9840 ton	long-ton
<b>Pressure</b>			
atmosphere phisic. . .	1 atm	= 1.0330 at.	atmosphere technic
atmosphere phisic. . .	1 atm	= 14.6900 lbs/sq.in.	pounds/square inch
kilogram/centimetre square . . . . .	1 kg/cm <sup>2</sup>	= 1 at.	atmosphere technic
kilogram/centimetre square . . . . .	1 kg/cm <sup>2</sup>	= 14.2230 lbs/sq.in.	pounds/square inch
<b>Energy</b>			
kilogram metre . . . .	1 kgm	= 7.2400 ft.lbs.	feet pounds
<b>Time</b>			
second . . . . .	1 dmc	= 1 sec	second
<b>Velocity</b>			
metre/second . . . . .	1 m/sec	= 3.2800 ft/sec	feet/second
<b>Acceleration</b>			
metre/square second	1 m/sccq	= 3.2800 ft/sq.sec	feet/square second

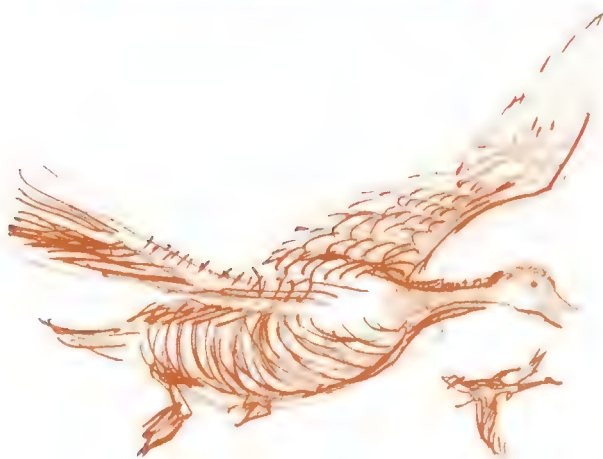
## CONVERSION TABLES

British unit	British symbol	Metric symbol	Metric unit
<b>Length</b>			
inch . . . . .	1 in.	= 25,4000 mm	Millimetre
inch . . . . .	1 in.	= 2,5400 cm	centimetres
foot . . . . .	1 ft.	= 0,3050 m	metres
yard . . . . .	1 yd.	= 0,9144 m	metres
statute mile . . . . .	1 mi.	= 1,6093 km	kilometres
sea mile . . . . .	1	= 1,8530 km	kilometres
<b>Surface</b>			
square inch . . . . .	1 sq.in.	= 6,4516 cmq	square centimetres
square foot . . . . .	1 sq.ft.	= 0,0928 mq	square metres
<b>Volume</b>			
cubic inch . . . . .	1 cu.in.	= 0,0163 dmc	cubic decimetres
cubic foot . . . . .	1 cu.ft.	= 28,3170 dmc	cubic decimetres
cubic foot . . . . .	1 cu.ft.	= 0,0283 mc	cubic metres
<b>Weight</b>			
grain . . . . .	1 gr.	= 0,0648 g	grams
ounce . . . . .	1 oz.	= 28,3500 g	grams
pound . . . . .	1 lb.	= 0,4530 kg	kilograms
hundredweight . . . . .	1 cwt.	= 0,0508 t	ton
Long-ton . . . . .	1 ton.	= 1,0160 t	ton
<b>Pressure</b>			
atmosphere technic . . . . .	1 at	= 0,9680 atm	atmosphere physic
atmosphere technic . . . . .	1 at	= 1 kg/cmq	kilograms/square centimetre
pound/square inch . . . . .	1 lb/sq.in.	= 0,0680 atm	atmosphere physic
pound/square inch . . . . .	1 lb/sq.in.	= 0,0703 kg/cmq	kilograms/square centimetre
<b>Energy</b>			
foot pound . . . . .	1 ft.lb.	= 0,1380 kgm	kilogram metres
<b>Time</b>			
second . . . . .	1 sec.	= 1 sec	second
<b>Velocity</b>			
foot/second . . . . .	1 ft/sec	= 0,3050 m/sec	metres/second
<b>Acceleration</b>			
foot/square second . . . . .	1 ft/sec.sq.	= 0,3050 m/secq	metres/square second

EMPTY PRIMED PAPER SHELLS

*for*  
*centre-fire*

*Shotgun cartridges*





## type 1 "standard"

brass base 5/16 in. high - inside universal base

Packed: 100 in a lithographed cardboard box



1

Colour: **CRIMSON-RED**

Registered Trademark « Dog's Head »

Cat. No.	Primer type	Gauge	Length of shell mm	
			standard in.	on request in.
1	6,45 - 2 holes	12	2½	2¾ - 3
	6,45 - 2 holes	16	2½	2¾
	6,45 - 2 holes	20	2½	—
	6,45 - 2 holes	24-28	2½	—
	5,45 - 2 holes	32	2½ - 2¼	—
	5,45 - 2 holes	36-410	2 - 2¼ - 2½	—

NOTE: Any lengths not included in the above table can be supplied on request only, the minimum quantity being 50.000 pieces.

## type 1 "standard"

brass base 5/16 in.

Packed: 100 in a lithographed cardboard box



2

Colour: **BLOOD-RED**

reg. Trademark « AUTOMATIC »

Special brass base for use  
also in automatic Shotguns  
inside universal base



3

Colour: **YELLOW**

reg. Trademark « DOG'S HEAD »

Inside conical base for dense  
powder special for D.N. and  
similar powders

Cat. No.	Primer	Gauge	Length in.
2	6,45 - 3 holes	12	2½
	6,45 - 3 holes	16-25	2½

Cat. No.	Primer	Gauge	Length in.
3	6,45 - 3 holes	12-16	2½ - 2¾
	6,45 - 3 holes	20	2½ - 2¾

NOTE: Any lengths not included in the above table can be supplied on request only, the minimum quantity being 50.000 pieces.

type 1 "sur"

SUR  
non corrosive

SUR  
non erosive

brass base 5/16 in.  
uncovered double charge « Sur 359 » primer  
Packed: 100 in a lithographed cardboard box



4  
Colour: **CRIMSON - RED**

Reg. Trademark « SUR 1 »

Cat. No.	Primer	Gauge	Length of shell in.
4	359 DCS	12	2½ - 2⅞ - 2¾
	359 DCS	16	2½ - 2¾
	359 DCS	20	2½ - 2¾

**15/32" "sur" type**

**SUR**  
non corrosive

brass base 15/32 in. high  
inside aluminium cup base  
suitable for all powders  
double charge uncovered « SUR 359 » primer

**SUR**  
non erosive



**80**

Colour: **CRIMSON - RED**

Registered Trademark « SUR »

Cat. No.	Type	Gauge	Length in.
80	15/32" SUR	12	$2\frac{5}{8} - 2\frac{3}{4}$
		16 - 20	$2\frac{3}{4}$

type 2 "semifine"

**Covered sealed**  
**high, su**

**Packed:** 100 in a lithographed cardboard box



**EAGLE ORANGE**  
for  
**VOLUMINOUS**  
powders  
inside semiflat base

inside semiflat base



**G.F.L. SUN GREEN**  
for  
**DENSE CORN**  
powders  
inside conical base

inside conical base



**ROEBUCK HAVANA**  
for  
**EXTRAVOLUMINOUS**  
powders  
inside flat base

inside flat base



**DOG YELLO**

for  
**DENSE**  
powders  
inside step base

inside step base

[illegible]

Length  $25/8 - 23/4$  in.  
Length  $21/2 - 23/4$  in.  
Length  $23/4$  in.





### type 3 fine

Double charge covered « Fiamma » primer  
for voluminous powders  
inside steel ring  
Thicker brass base 5/8" high - lacquered paper tube  
Packed: 100 in a lithographed cardboard box

9



10



### type 4 extrafine

Double charge covered « Fiamma » or « Fiamma-Sur »  
sealed primer for voluminous powders  
inside shaped constant volume metal cup  
brass base « Superfiocchi » engraved 1" high  
lacquered paper tube  
Packed: 100 in a lithographed cardboard box

11



Colour: ORANGE

Registered Trademark « Flying Eagle »

Cat. No.	Type	Gauge	Length in.
9	3	12 - 16 - 20 24 - 28 - 32 36 - (410)	2¾ 2½ 2½
10	3	12	2⅝
11	4	12 - 16	2¾

### type 3 fine

double charge covered « Fiamma » sealed primer for voluminous powders  
inside steel ring

thicker brass base 5/8" high - lacquered paper tube

Packed: 100 in a lithographed cardboard box

12



13



### type 4 extrafine

double charge covered « Fiamma-Sur »  
sealed primer for extra voluminous powders  
inside shaped constant volume metal cup  
brass base « Superfiocchi » engraved 1" high  
lacquered paper tube

Packed: 100 in a lithographed cardboard box

14



Colour: H A V A N A

Registered Trademark « Roebuck »

Cat. No.	Type	Gauge	Length in.
12	3	12 - 16 - 20	2¾
13	3	12	2¾
14	4	12 - 16	2¾

### type 3 fine

double charge « Fiamma » sealed primer for dense powders  
inside steel ring

thicker brass base 5/8" high - lacquered paper tube

Packed: 100 in a lithographed cardboard box

15



16



### type 4 extrafine

double charge covered « Fiamma » or « Fiamma-Sur » sealed primer  
for dense powders

inside shaped constant volume metal cup  
brass base « Superflocchi » engraved 1" high  
lacquered paper tube

Packed: 100 in a lithographed cardboard box

17



Colour: GOLD YELLOW  
Registered Trademark « Dog's Head »

Cat. No.	Type	Gauge	Length in.
15	3	12 - 16 - 20	2¾
		24 - 28	2½
16	3	12	2⅝
17	4	12 - 16	2¾

### type 3 fine

double charge covered « Fiamma » sealed primer for dense corn powders  
inside steel ring  
thicker brass base 5/8" high  
lacquered paper tube

Packed: 100 in a lithographed cardboard box

18



19



### type 4 extrafine

double charge covered « Fiamma » or « Fiamma-Sur » sealed primer  
for dense corn powders  
inside shaped constant volume metal cup  
brass base « Superfiocchi » engraved 1" high  
lacquered paper tube

Packed: 100 in a lithographed cardboard box

20



Colour: GREEN

Registered Trademark « G.F.S. SUN »

Cat. No.	Type	Gauge	Length in.
18	3	12 - 16	2¾
19	3	12	2¾
20	4	12 - 16	2¾

# **EMPTY PRIMED PAPER SHELLS** **« POWDER TRADEMARK »**

Empty primed paper shells are also supplied in the gauges, types, colours and trademarks listed below.

Inside base and primer especially fit for the particular type of powder indicated by the trademark printed on the paper tube.

**Type 1 - length 2½ - Gauges 12 - 16 - 20**  
**6,45 2 holes primer**

Cat. No.	Powder Trademark	Colour
34	« Acapnia » . . . .	Orange
35	« Anigrina » . . . .	Purple
37	« Fonda » . . . .	Gold Yellow
38	« G. P. » . . . .	Grey
39	« J. K. 6 Orso » .	Orange
40	« M. B. Gigante »	Ivory
41	« Mullerite » . . . .	Orange
42	« N.C. » . . . .	Pearl-Grey
69	« M. B. Gigante »	Red
43	« Rapid » . . . .	Blood-Red
44	« Sipe Falco » . .	Yellow
45	« Super Bal. M. »	Green
46	« Walsrode om. » .	Green
68	« Alfa » . . . .	Red
75	« Norge » . . . .	Blue
78	« Star » . . . .	Blue
32	« Sidna » . . . .	Dark Blue



### 6.45 - 3 holes Primer

Cat. No.	Powder Trademark	Colour
29	« D. N. » . . . .	Glacé green
30	« Nike » . . . .	Green
31	« Orion » . . . .	Yellow
33	« Siem » . . . .	Blue
36	« Cooppal Perf. » .	Red
76	« S. 4 » . . . .	Dark blue
77	« Universal » . .	Yellow

### Type 1 - SUR

#### « SUR 359 » Primer

Length in.  $2\frac{1}{2}$  -  $2\frac{5}{8}$  -  $2\frac{3}{4}$  - 12 gauge; length in.  $2\frac{1}{2}$  -  $2\frac{3}{4}$  - 16 & 20 gauge

96	« J K 6 » . . . .	Gold yellow
97	« Nike » . . . .	Green
98	« Rottweil » . . .	Havana
99	« Sidna » . . . .	Dark blue
100	« D.N. » . . . .	Black

### TYPE 2

#### Covered « Fiamma SUR » Primer

#### Aluminium cup in base

Length in.  $2\frac{5}{8}$  -  $2\frac{3}{4}$  - 12 gauge; length in.  $2\frac{3}{4}$  - 16 & 20 gauge

47	« Cooppal Excel. »	Green
48	« G.P. » . . . .	Red
49	« J.K. 6 » . . . .	Purple
50	« M.B. Gr. Prix » .	Bottle green
52	« Sidna » . . . .	Red
54	« Walsrode » . .	Green
70	« D.N. » . . . .	Gold yellow
74	« M.B. Tigre » .	Yellow

**TYPE 3****Covered « Fiamma » Primer****Inside steel base****Length in. 2 3/4 - 12 & 26 gauge**

Cat. No.	Powder Trademark	Colour
55	« Cooppal Excel » . . .	Green
56	« D.N. » . . . . .	Gold yellow
57	« G.P. » . . . . .	Red
58	« J.K. 6 » . . . . .	Havana
59	« M.B. Tigre » . . . . .	Yellow
60	« Mullerite » . . . . .	Orange
61	« N.C. » . . . . .	Pearl-grey
62	« Nobel's Sp. B. » . . .	Yellow
63	« Sidna » . . . . .	Red
64	« Stipe » . . . . .	Red
65	« Walsrode » . . . . .	Green

**TYPE 4****Covered « Fiamma » or « Fiamma SUR » Primer****Steel or aluminium cup in base****Length in. 2 3/4 - 12 gauge**

66	« M.B. Gr. Prix » . . .	Bottle green
66 bis	« M.B. Gr. Prix » . . .	Havana
66 ter	« M.B. Gr. Prix » . . .	Red
51	« Cooppal Excel. » . . .	Green
53	« D.N. » . . . . .	Gold yellow
71	« G.P. » . . . . .	Red
67	« J.K. 6 » . . . . .	Havana
72	« Sidna » . . . . .	Red
73	« Walsrode » . . . . .	Green
79	« Balist. Nobel's » . . .	Gold yellow

## Solid drawn brass cases

Reloading metal case 2½ in. long  
 Berdan type, 2 holes primer - 6,45 mm cap  
 (Loading tongs are used to cap and recap these brass cases)  
 Available in the following gauges: 12-14-16-20-24-28-32-36 (2 in. long)  
 Packed: 10 in a lithographed cardboard box - 50 in a parcel

## DUCK-GUN SHELLS

Brass base - covered «Fiamma» sealed primer - Inside base special for black and smokeless voluminous powders plain paper tube.

Cat. No. . . . .	23	24	25
gauge . . . . .	32 mm	4	8
<b>GREEN Colour</b>			
British style - thick rim			
base height . . . . . inches	—	5/8	9/16
shell length . . . . . inches	—	4	3 1/4 - 4
<b>CRIMSON - RED Colour</b>			
French style - thin rim			
base height . . . . . inches	3/4	3/8	3/8
shell length . . . . . inches	4 3/4	4	3 1/4 - 4
Packed: in cardboard boxes of . . .	25	25	50

## 10 GAUGE

### 26 CRIMSON-RED Colour

6,45 - 2 holes primer

brass base 5/16 in. high  
 length 2 3/4 - 3 in.

### 27 CRIMSON-RED Colour - Reinforced

covered «Fiamma» rustless primer  
 inside semiflat base for voluminous powders

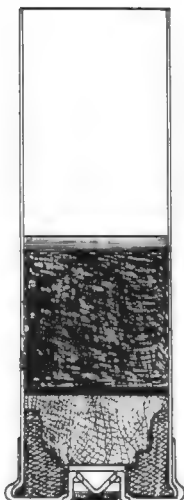
brass base 5/8 in. high  
 length 2 3/4 - 3 in.

### 28 GOLD YELLOW Colour - Reinforced

covered «Fiamma» primer  
 inside step base for dense powders

Packed: 100 in a coloured cardboard box

## SEMI-LOADED SHOTGUN SHELLS



Consisting of a primed cartridge case, loaded with Powder and wadding, these semi-loaded shells are extremely convenient, enabling any particular size of shot to be quickly loaded. These shells are packed in boxes containing 25 pieces.

Any types not included in our pricelist can be loaded with Powder and wadding to customer's choice, the minimum quantity being 50.000 pieces.



Shotgun shells

*loaded in the Fiocchi Factory*





401



403

### Type 1 Waterproof

Shot shell	type 1, 12 gauge, 25/8" length; 5/16" brass base.
Primer	double charge, uncovered, SUR type, non-corrosive, non-erosive, non-mercuric, stainless, Cat. No. 359.
Powder	smokeless, nitrocellulose, expressly developed to give maximum pattern percentages with excellent shot velocity.
Wad	lubricated finest quality felt.
Shot	11/8 oz. chilled, uniform size, perfect roundness
Closure	star crimping.
Packing	25 cartridges in a lithographed cardboard box, covered with cellophane, provided with a guarantee « SUR » seal. 500 cartridges in a corrugated cardboard case.
Available	16 gauge - 25/8" - Shot Nos. 1 - 2 - 3 rolled turnover. 12 gauge - 25/8" - shot Nos. 4 - 5 - 6 - 7 - 8 - 9 - 10 star crimping closure. 16 gauge - 2 1/2" - shot Nos. 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 rolled turnover. 20 gauge 2 1/2" - shot Nos. 4 - 5 - 6 - 7 - 8 - 9 - 10 rolled turnover.

### Type 4 special for shooting

Shot shell	12 gauge, 2 3/4" length, 1" brass base special aluminium inside powder chamber.
Primer	double charge, covered SUR type, non-corrosive, non-erosive, non-mercuric, stainless, Cat. No. 355.
Powder	smokeless nitrocellulose, expressly developed for maximum velocity with maximum patterns.
Wad	« IRIS » lubricated, finest in the world.
Shot	1 1/4 oz., nickel-plated, uniform size, perfect roundness.
Closure	star crimping.
Packing	10 cartridges in a lithographed cardboard box, covered with cellophane in turn placed in a corrugated cardboard case.
Available	in Shot size Nos. 6 - 7 - 7 1/2 - 8.



402

### Type 2 Waterproof

Shot shell	12 gauge, 2¾" length, 15/32" brass base. Special aluminium inside powder chamber.
Primer	double charge, covered, SUR type, non-corrosive, non-erosive, non mercuric, stainless, Cat. No. 355.
Powder	smokeless nitrocellulose, expressly developed to give maximum velocities with high pattern percentages.
Wad	lubricated finest quality felt.
Shot	1¼ oz. chilled, uniform size, perfect roundness.
Closure	star crimping.
Packing	25 cartridges in a lithographed cardboard box, covered with cellophane provided with a SUR guarantee seal in turn placed in a corrugated cardboard case.
Available	in Shot size Nos. LG - SG - Spec. SG - SSSG - SSG - AAA - BB - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10.



404

### Type MAGNUM

Shot shell	12 gauge, 3" length, 1" brass base.
Primer	double charge, covered, SUR type, non-corrosive, non erosive, non-mercuric, stainless, Cat. No. 355.
Powder	smokeless nitrocellulose, progressive, special for Magnum cartridges.
Wad	« IRIS », lubricated, finest in the world.
Shot	1⅜ oz. chilled, uniform size, perfect roundness.
Closure	star crimping.
Packing	25 cartridges in a lithographed cardboard box, covered with cellophane in turn placed in a corrugated cardboard case.
Available	in Shot size Nos. 0 - 2 - 3 - 4 - 5 - 6 - 7.

Shotgun shell primers

for

Fiocchi shells

## SHOTGUN SHELLS PRIMERS

**SUR**  
non corrosive



**SUR**  
non erosive

The **SUR** Primers are coupled with FIOCCHI shot shells only  
nickel-plated, galvanized or tinned cap.

Primers with **SUR** non mercuric priming mixture - non corrosive, non  
erosive, stainless - guarantee the fast and uniform ignition of powder, partic-  
ularly the nitrocellulose one.

Their features of ignition and sensitivity remain unaltered under any  
climatic conditions and for an indefinite length of time.

The **SUR** priming mixture avoids any possibility of corrosion and erosion  
in barrels which remain clean also in adverse conditions.

Thanks to its composition, the **SUR** mixture eliminates the erosion of  
melting salts and mercuric amalgam on barrel steel thus assuring a better  
efficiency and a longer life of the weapons.

Excellent and safe shot shells  
Long life of the gun  
Stability of the product!

Always use «FIOCCHI» cartridges primed with

**SUR**

non erosive

non corrosive



# SHOTGUN SHELLS PRIMERS

## for FIOCCHI SHELLS

**SUR**  
non corrosive



**SUR**  
non erosive

N<sup>o</sup>  
cat.

Sizes in.  
dia. h.  
min. max.

351			5,05 mm - 2 holes . . . . .	.240 x .150
396			5,45 mm - 2 holes . . . . .	.252 x .150
397			5,45 mm - 2 holes . . . . .	.252 x .173
352			6,45 mm - 2 holes . . . . .	.297 x .162
353			6,45 mm - 3 holes . . . . .	.297 x .162
354			Fiamma «SUR» covered - Type 1	.223 x .276
355			Fiamma «SUR» covered - Type 2	.223 x .276
356			Fiamma «SUR» covered - Type 3	.223 x .276
357			Double charge - British type . .	.252 x .309
358			Double charge - American type .	.240 x .305
359			Double charge - American type .	.226 x .305
360			Double charge - American type .	.215 x .305
388			6.45 mm - Simplex - with anvil .	.253 x .146

Packed: 100 in a lithographed tin - 1000 in a parcel.





















# RECAPPING PRIMERS

for

## SHOTGUN SHELLS



N<sup>o</sup>  
cat.

81			4,45 mm - 2 holes . . . - gauge .410
82			5,05 mm Spanish - 2 holes - , 12-14-16-24-28-32-36
83			5,45 - 2 holes . . . . . , 32-36-.410
84			5,45 mm - 3 holes . . . - , 32-36-.410
85			6,45 mm - 2 holes . . . - , 10-12-14-16-20-24-28
86			6,45 mm - 3 holes . . . - , 12-14-16-20-24-28
87			Fiamma covered . . . . . , 4 to 36 - .410
88			Double charge - uncovered - , 12-16-20-24-28-32-36 (British type) - .410
89			6,45 Cap. . . . . - for recapping

Packed: 100 in a lithographed tin - 1000 in a parcel

## SHOTGUN SHELLS WADS



**IRIS**



**Full Pattern**

— Patented —

Cork wads combined with lubricated felt to assure Long Range and High Speed Shooting with dense pattern of perfect uniformity.

Cat. No.	Gauge	Thickness in.
90	12	3/8
91	12	7/16
92	12	7/2
93	12	5/8
94	16	3/8
95	16	15/32

Packed: 200 in a lithographed cardboard box - 1000 in a paper bag.

# EMPTY PAPER SHOT SHELLS

## PRIMERS AND PERCUSSION CAPS

**TABLE I**

Packing - Cardboard boxes

Type	Gauge	Length in.	Quantity No.	Weight lbs.	Dimensions in.	Type
1	12	2 ½	100	2.09	8.7 x 8.7 x 2.6	1
	16	2 ½	100	1.81	7.9 x 7.9 x 2.6	
	20	2 ½	100	1.54	7.1 x 7.1 x 2.6	
	24	2 ½	100	1.45	7.1 x 7.1 x 2.6	
	28	2 ½	100	1.34	6.7 x 6.7 x 2.6	
	32	2 ½	100	1.08	6.3 x 6.3 x 2.6	
	36	2 ½	100	0.81	5.1 x 5.1 x 2.6	
1	12	2 ¾	100	2.09	8.7 x 8.7 x 2.8	1
2	12	2 ¾	100	2.52	8.7 x 8.7 x 2.8	2
	12	2 5/8	100	2.51	8.7 x 8.7 x 2.7	
	16	2 ¾	100	2.31	7.9 x 7.9 x 2.8	
	20	2 ¾	100	1.98	7.9 x 7.9 x 2.8	
3	12	2 ¾	100	2.98	9.4 x 7.9 x 2.8	3
	16	2 ¾	100	2.61	8.7 x 7.4 x 2.8	
	20	2 ¾	100	2.38	7.9 x 7.4 x 2.8	
4	12	2 ¾	100	3.09	9.4 x 7.9 x 2.8	4
	16	2 ¾	100	2.71	8.7 x 7.4 x 2.8	
Cat. No.						Cat. No.
23	32 mm	4 ¾	Fr. 25	3.00	7.1 x 7.3 x 4.7	23
24	4	4	Fr. 25	1.52	5.9 x 5.9 x 3.9	24
25	8	4	Fr. 50	2.14	9.0 x 5.5 x 3.9	25
25	8	4	Br. 50	2.64	9.0 x 5.5 x 3.9	25
26	10	2 ¾	100	2.20	8.7 x 8.3 x 2.8	26
83	Primers	5,45	1000	1.26	parcel	83
85	"	6,45	1000	2.02	"	85
87	"	Fiamma	1000	2.36	"	87
89	Caps	6,45	1000	0.56	"	89
327	"	foil lined	1000	0.37	"	327

Fr = French type thin rim

Br. = British type standard thick rim

# EMPTY PAPER SHOTGUN SHELLS

## AND « IRIS » WADS

**TAB. II**

Packing - Corrugated cartons

### INLAND SHIPMENTS

Type	Gauge	Length in.	Quantity No.	Gross Weight lbs.	Dimensions in.	Type
1	12	2 1/2	5.000	108	43.3 x 18.1 x 14.6	1
	16	2 1/2	5.000	95	40.2 x 16.9 x 13.8	
	20	2 1/2	5.000	82	36.2 x 15.0 x 13.8	
	24	2 1/2	5.000	73	35.8 x 14.6 x 13.8	
	28	2 1/2	5.000	68	34.2 x 14.2 x 13.8	
	32	2 1/2	5.000	55	32.3 x 13.8 x 13.0	
	36	2 1/2	5.000	42	24.8 x 14.2 x 10.2	
1	12	2 5/8	4.000	86	35.4 x 18.1 x 15.0	1
1	12	2 3/4	4.000	88	35.4 x 18.1 x 15.0	1
2	12	2 5/8	4.000	104	35.4 x 18.1 x 15.0	2
2	12	2 3/4	4.000	106	35.4 x 18.1 x 15.0	2
	16	2 3/4	4.000	95	35.4 x 18.1 x 15.0	
	20	2 3/4	4.000	86	36.2 x 18.6 x 13.8	
2	16	2 1/2	4.000	95	35.4 x 18.1 x 15.0	2
	20	2 1/2	4.000	86	36.2 x 15.0 x 13.8	
3	12	2 3/4	4.000	115	35.4 x 18.1 x 15.0	3
	12	2 5/8	4.000	112	35.4 x 18.1 x 15.0	
	16	2 3/4	4.000	110	35.4 x 18.1 x 15.0	
	20	2 3/4	4.000	99	36.2 x 15.0 x 13.8	
	24	2 5/8	4.000	86	35.8 x 14.6 x 13.8	
	28	2 1/2	4.000	75	34.2 x 14.2 x 13.8	
	32	2 1/2	4.000	66	32.3 x 13.8 x 13.0	
	36	2 1/2	4.000	60	24.8 x 14.2 x 10.2	
4	12	2 3/4	4.000	132	35.4 x 18.1 x 15.0	4
	16	2 3/4	4.000	119	35.4 x 18.1 x 15.0	
Cat. No.		h.				Cat. No.
90	12	3/8	wads 27.000	79	40.2 x 16.9 x 13.8	90
91	12	7/16	wads 24.000	68	40.2 x 16.9 x 13.8	91
92	12	7/2	wads 20.000	75	40.2 x 16.9 x 13.8	92
93	12	5/8	wads 18.000	77	40.2 x 16.9 x 13.8	93
94	16	3/8	wads 30.000	70	40.2 x 16.9 x 13.8	94
95	16	15/32	wads 24.000	68	40.2 x 16.9 x 13.8	95

Length of shell in.

h. = height of wad in.

# EMPTY PAPER SHOT SHELLS

## PRIMERS AND CAPS

### TAB. III

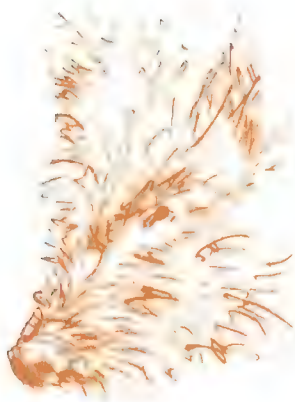
Packing - Wooden cases

### EXPORT SHIPMENTS

Type	Gauge	Length in.	Quantity No.	Gross Weight lbs.	Dimensions in.	Type
1	12	2½	10.000	256	45.7 x 20.1 x 29.1	1
	16		10.000	227	42.1 x 18.1 x 29.1	
	20		10.000	198	38.6 x 16.9 x 29.1	
	24		10.000	174	36.2 x 16.1 x 29.1	
	28		10.000	163	35.4 x 16.1 x 29.1	
	32		10.000	132	33.8 x 14.6 x 29.1	
	36		5.000	156	27.2 x 17.3 x 29.1	
1	12	2¾	10.000	273	45.7 x 20.1 x 31.1	1
2	12	2¾	5.000	154	45.7 x 20.1 x 15.0	2
	16	2¾	5.000	132	42.1 x 18.1 x 15.0	
3	12	2¾	5.000	181	42.5 x 21.3 x 16.5	3
	16	2¾	5.000	165	39.8 x 19.7 x 16.9	
Cat. No.						Cat. No.
83	Primers	5,45	50.000	75	15.7 x 11.4 x 9.4	83
85	» 2 holes	6,45	50.000	118	22.0 x 11.4 x 9.4	85
86	» 3 holes	6,45	50.000	118	22.0 x 11.4 x 9.4	86
87	» Fiamma		50.000	126	22.0 x 11.4 x 9.4	87
89	Caps	6,45	100.000	66	19.3 x 9.4 x 11.8	89
327	» foil lined		100.000	46	19.3 x 9.4 x 11.8	327
359	Primers	359	50.000	112	22.0 x 11.4 x 9.4	359
	SUR					

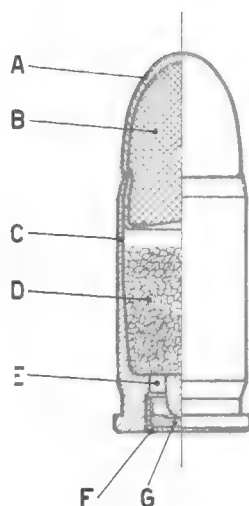


Hunting - shooting - sporting  
and  
military centre - Fire metal Cartridges  
adapted for  
**Pistols - Revolvers - Rifles**  
and  
machine - guns



## LEGEND

- A - Nickel-plated brass covering
- B - Lead core
- C - Brass case
- D - Smokeless powder charge
- E - Flash holes
- F - Nickel-plated brass percussion cap
- G - SUR priming mixture.



NOTE: Grey-coloured boxes contain full patch bullet cartridges.

Beige-coloured boxes contain solid lead cartridges.

# AUTO PISTOL CARTRIDGES

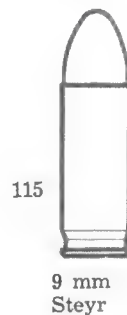
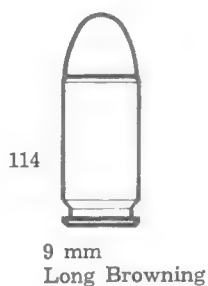
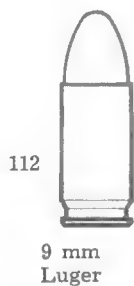
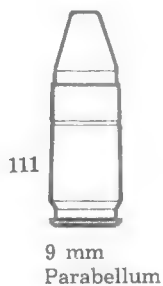
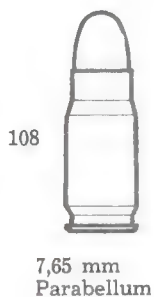
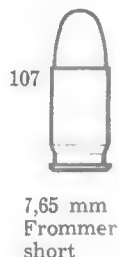
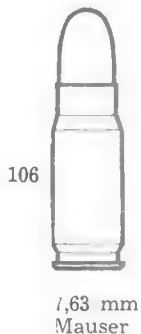
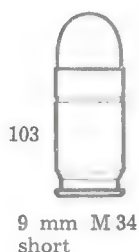
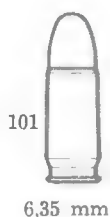
Berdan Cap - 2 holes - Nickel-plated - Stainless Primer

**SUR**  
non-corrosive

**SUR**  
non-erosive

SMOKELESS POWDER

Full patch bullet



Packed: 25 in a cardboard box - 250 in a carton

# AUTO PISTOL CARTRIDGES

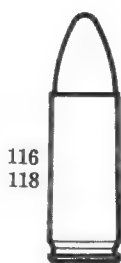
**SUR**  
non-corrosive

Berdan Cap - 2 holes - Nickel-plated - Stainless Primer

**SUR**  
non-erosive

## SMOKELESS POWDER

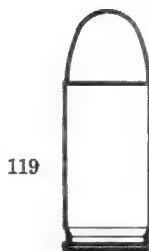
Full patch bullet



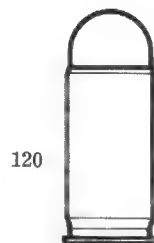
116  
118  
9 mm  
Bergman Bayard  
.38 A.C.P.



117  
9 mm  
Mauser Ex



119  
.45 A.C.P.



120  
.455  
Webley auto



196  
7,5 mm  
Rubin Schmidt



199  
7,62 x 51

Packed: 25 in a cardboard box - 250 in a carton

# SMITH & WESSON REVOLVER CARTRIDGES

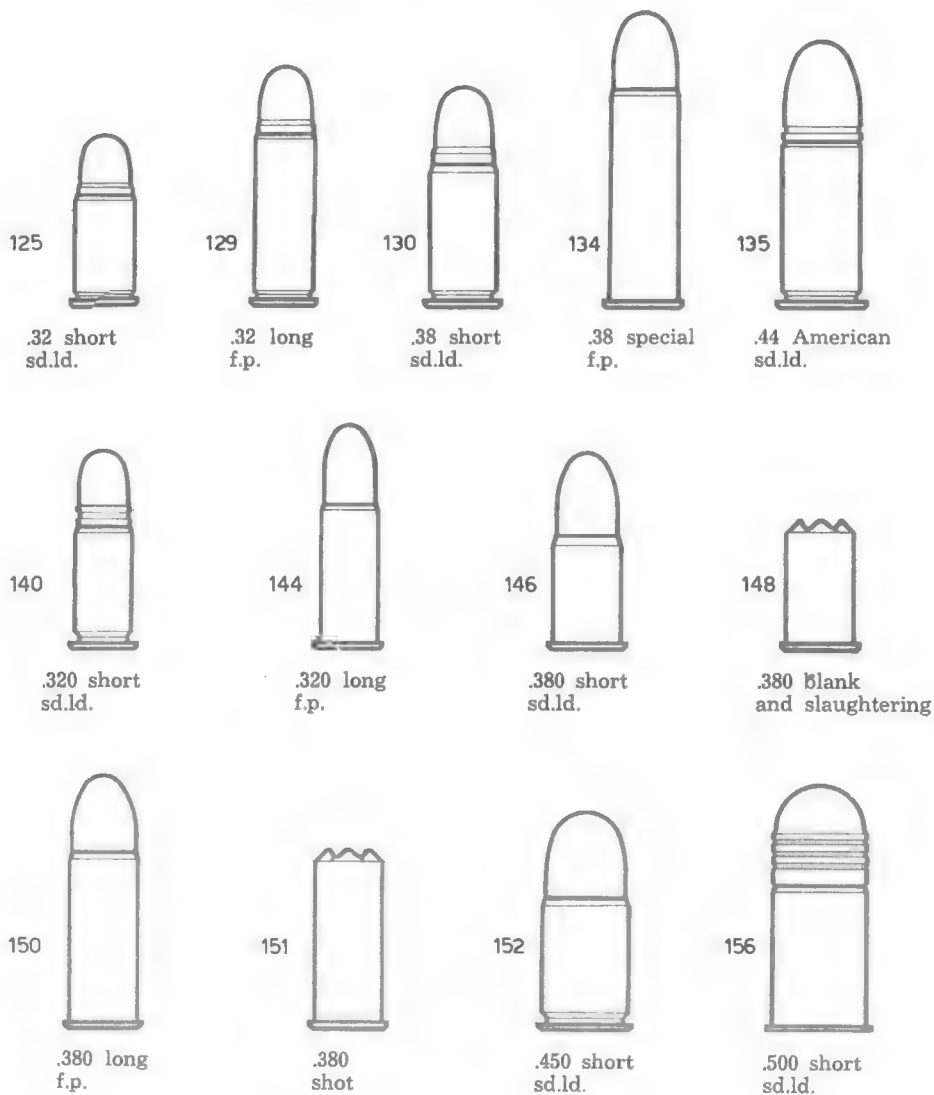
Berdan Cap - 2 holes - Nickel-plated - Stainless Primer

**SUR**  
non-corrosive

**SUR**  
non-erosive

SMOKELESS POWDER

Solid lead or full patch bullet



Packed: 25 in a cardboard box - 250 in a carton



# REVOLVER AND CARBINE CARTRIDGES

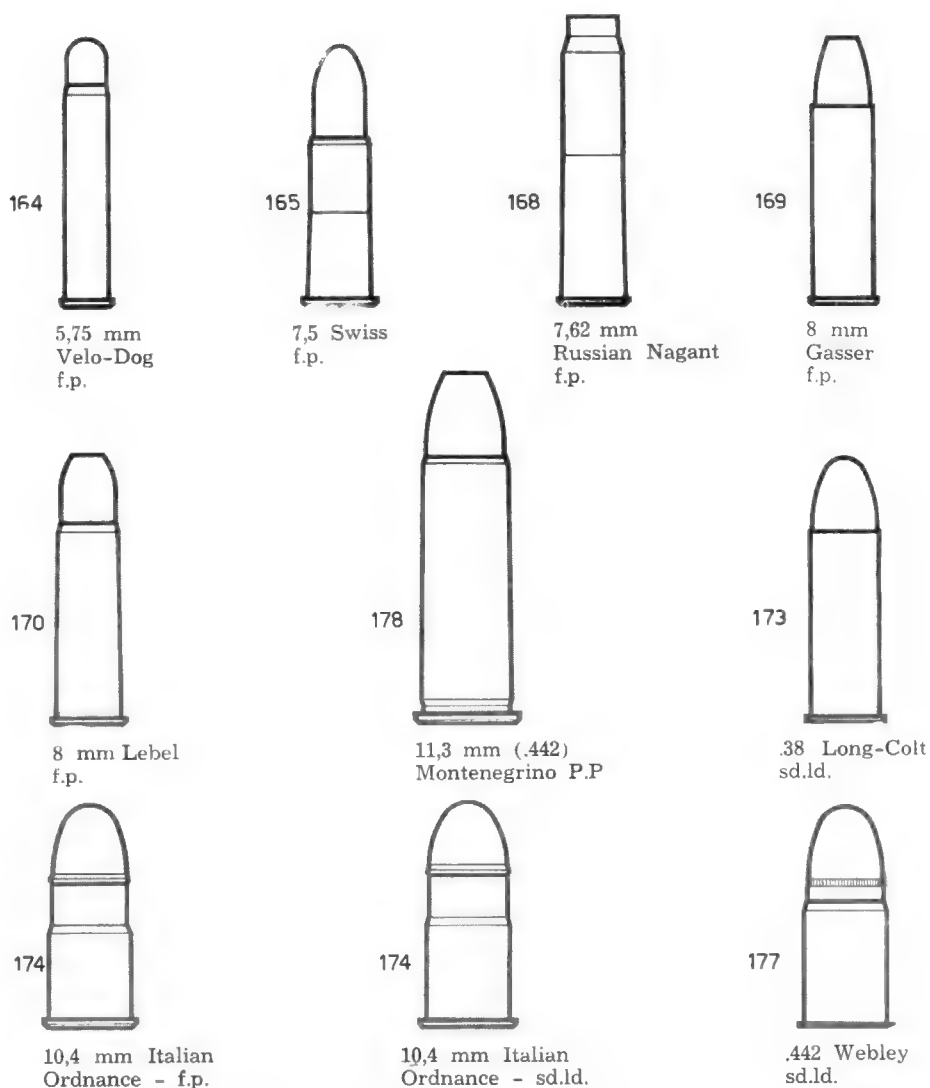
Berdan Cap - 2 holes - Nickel-plated - Stainless Primer

**SUR**  
non-corrosive

**SUR**  
non-erosive

## SMOKELESS POWDER

Solid lead or full patch bullet



Packed: 25 in a cardboard box - 250 in a carton

# CARBINE RIFLE AND MACHINE GUN CARTRIDGES

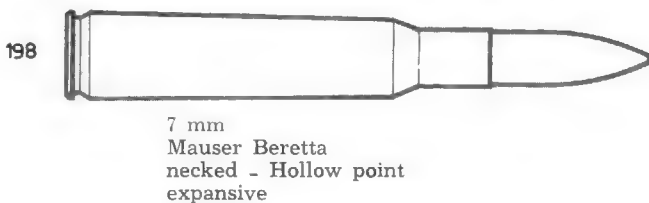
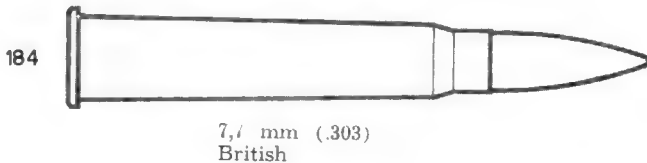
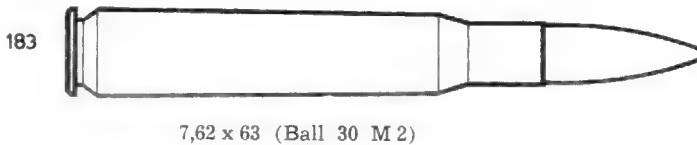
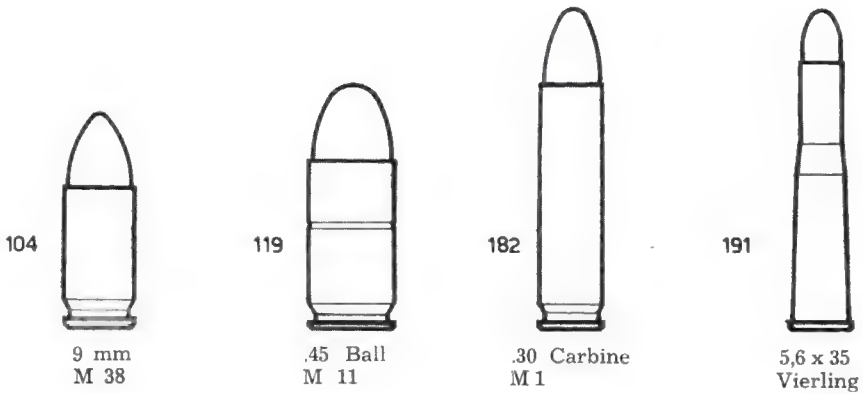
Berdan Cap - 2 holes - Nickel-plated - Stainless Primer

**SUR**  
non-corrosive

**SUR**  
non-erosive

SMOKELESS POWDER

Full patch or hollow point expansive bullet



## REPEATING AND AUTOMATIC CARBINE CARTRIDGES

Berdan Cap - 2 holes - Nickel-plated - Stainless Primer

**SUR**  
non-corrosive

**SUR**  
non-erosive

### SMOKELESS POWDER

Solid Lead or soft point bullet

212



.32 Winchester  
sf.pt.

213



.35 Winchester Aut.  
sf.pt.

214



.351 Winchester Aut.  
sf.pt.

217



.38 Winchester  
sf.pt.

218



.410 Winchester Aut.  
sf.pt.

220



.44 Winchester  
sf.pt.

Packed: 25 in a cardboard box - 250 in a carton

# TABLE IV

Cat. No.	Calibre		TYPE	Case length in.	Bullet weight grs.	Powder		Veloc- ity V/10 ft/sec.
	in.	mm.				type	weight grs.	
101	.25	6,35	Browning Beretta	.610	49	smo.	1.7	738
102	.32	7,65	Browning Beretta	.670	74	smo.	2.9	905
103	.380	9	Short M 34	.675	93	smo.	3.8	920
104	—	9	Long M 38	.752	115	smo.	6.2	1410
105	—	5	Clement	.704	28	smo.	—	—
106	.30	7,63	Mauser	.948	85	smo.	6.6	1410
107	—	7,65	Short Frommer	.520	85	smo.	6.6	1362
108	—	7,65	.30 Luger	.854	97	smo.	4.9	1150
109	—	8	Steyr Roth	.734	113	smo.	4.0	1033
110	.35	8,12	S. & W. Auto f. p.	.673	77	smo.	2.6	825
111	—	9	Parabellum	.752	124	smo.	7.3	1263
112	—	9	Luger	.752	123	smo.	7.2	1250
113	—	9	Glisenti 1910 Beretta 1915	.752	123	smo.	4.8	1296
114	—	9	Long Browning	.799	109	smo.	4.2	905
115	—	9	Steyr Roth	.905	115	smo.	6.2	1214
116	—	9	Bergmann Bayard	.905	133	smo.	6.3	1115
117	—	9	Auto Colt Pistol	.984	127	smo.	6.5	1250
118	.38	9	Mauser Ex	.898	133	smo.	6.2	1214
119	.45	11,4	Auto Colt M 11	.898	230	smo.	6.2	920
120	.455	11,5	Wbley Auto	.917	224	smo.	5.7	700
121	—	6,35	blank	.610	paper	b.	—	—
122	—	7,65	blank	.670	paper	b.	—	—
123	—	6,35	blank	.610	—	b.	—	—
124	—	7,65	blank	.670	—	b.	—	—

smo. = smokeless

b. = black

























# TABLE V

Cat. No.	Calibre		TYPE	Case Length in.	Bullet weight grs.	Powder		Veloc- ity V 10 ft sec.
	in.	mm.				type	weight grs.	
125	.32	—	S. & W. short sd.ld.	.594	85	smo.	1.8	690
126	.32	—	S. & W. short f.p.	.594	97	smo.	1.9	740
127	.32	—	S. & W. short blank	.590	—	b.	5.8	—
128	.32	—	S. & W. long sd.ld.	.917	97	smo.	3.3	790
129	.32	—	S. & W. long f.p.	.917	98	smo.	3.4	804
130	.38	—	S. & W. sd.ld.	.768	145	smo.	3.2	660
131	.38	—	S. & W. f.p.	.768	145	NC	3.9	720
132	.38	—	S. & W. blank	.760	—	b.	10.9	—
133	.38	—	S. & W. special sd.ld.	1.151	158	smo.	5.2	820
134	.38	—	S. & W. special f.p.	1.151	157	NC	5.9	869
135	.44	—	S. & W. American sd.ld.	.917	200	smo.	6.2	755
136	.44	—	S. & W. American f.p.	.917	200	smo.	5.5	740
137	.44	—	S. & W. special sd.ld.	1.151	245	smo.	6.4	740
138	.44	—	S. & W. special f.p.	1.151	245	smo.	6.6	770
140	.320	—	Short sd.ld.	.634	82	smo.	1.9	690
141	.320	—	Short f.p.	.634	74	smo.	2.1	720
142	.320	—	Short blank	.630	—	b.	5.7	—
143	.320	—	Long sd.ld.	.787	82	smo.	3.2	690
144	.320	—	Long sd.ld.	.787	74	smo.	3.5	755
145	.320	—	Long shot	.787	—	b.	6.5	—
146	.380	—	Short sd.ld.	.630	121	smo.	3.1	720
147	.380	—	Short f.p.	.630	121	smo.	3.4	790
148	.380	—	Short blank	.630	—	b.	7.7	—
149	.380	—	Long sd.ld.	.945	121	smo.	4.4	790
150	.380	—	Long f.p.	.945	121	smo.	4.6	825
151	.380	—	Long shot	.945	—	b.	9.2	—
152	.450	—	Short sd.ld.	.713	217	smo.	5.5	853
153	.450	—	Short blank	.713	—	b.	14.2	—
154	.450	—	Long sd.ld.	1.291	217	smo.	6.2	720
155	.450	—	Long shot	.945	—	b.	15.1	—
156	.500	—	Long sd.ld.	.780	296	smo.	6.9	660

sd.ld. = solid lead bullet - f.p. = full patch bullet

S. & W. = Smith & Wesson type - smo. = smokeless - b. = black

# CENTRE-FIRE INDUSTRIAL CARTRIDGES

Cat. Nº	Cartridge size In.				Power according to colours						Scale	
	Cal.	Case h	Rim									
			φ	h								
	9 (.380)		18,50	11,00	1,30	 light	 medium	 medium heavy	 heavy	 very heavy	 Extra heavy	Italian (Swiss)
	10		17,50	10,85	1,05	 light	 medium	 Medium heavy	 heavy	 very heavy	 Extra heavy	German type
	.38 S. & W.		19,45	10,95	1,18		 medium		 heavy	 very heavy	 Extra heavy	English type
	.380		29,30	11,15	1,50	 light	 medium		 heavy		 Extra heavy	U.S.A. Type (Ramset)

Packed: 25 or 50 in a box - 250 or 500 in a parcel.



TABLE VII

No. Cat.	Calibre		Type Degree	Case Length in.	Colour	USE
	in	mm				
157	.380		I Degree	.630	Red	for bulls and big cattle
158	.380		II Degree	.630	Blue	for horses, pigs and oxen
159	.380		III Degree	.630	Yellow	for calves and foals
160	.380		IV Degree	.630	Green	for sheep and dogs
365	.380	9	extra heavy	.728	Black	variable according to material, diameter and length of fasteners
366	.380	9	very heavy	.728	White	
367	.380	9	heavy	.728	Red	
368	.380	9	medium heavy	.728	Bleu	
369	.380	9	medium	.728	Yellow	
370	.380	9	light	.728	Green	
390	.38		very heavy	.764	Black	variable according to material, diameter and length of fasteners
391	.38		heavy	.764	Red	
392	.38		medium	.764	Bleu	
393	.38		light	.764	Yellow	
394	380 s.p.		underwater	1.142	Black	variable according to material, diameter and length of fasteners
395	380 s.p.		very heavy	1.142	Red	
396	380 s.p.		heavy	1.142	Yellow	
397	380 s.p.		medium	1.142	Green	
398	380 s.p.		light	1.142	Brick-Red	
500		10	extra heavy	.689	Black	variable according to material, diameter and length of fasteners
501		10	very heavy	.689	White	
502		10	heavy	.689	Red	
503		10	medium heavy	.689	Bleu	
504		10	medium	.689	Yellow	
505		10	light	.689	Green	

# CAPS AND PRIMERS

Cat.  
No.

327



Foil lined brass, for muzzle-loading guns  
Diameter  $\phi$  4,7 mm  $\times$  height 4,5 mm

328



Four-winged (Top Hat) (musket)

Recapping caps for metallic cartridges and shot shell primers - tombac, brass and cooper-plated brass, loaded with mercuric mixtures - waterproof - lacquered

TABLE VIII

Cat. No.	Dia. in.	Bottom Type	Thickn. in.	Dimensions		Use	Cat. No.
				1 : 1	2 : 1		
341	.177	flat	.014			Revolver crtgs.	341
342	.177	flat	.016			Pistol crtgs.	342
343	.177	flat	.024			Ber. machine-gun crtgs.	343
344	.211	flat	.024			Thom. machine-gun crtgs.	344
345	.250	flat	.030			Enfield rifle	345
89	.254	round	.016			Shot shells	89
347	.254	flat	.016			Shot shells	347

Boxer Type anvil Primers

386	.210	flat	.018			60 and 81 mm. Mortar ignition crtgs.	386
389	.317	round	.035			12,7 and 20 mm. machine-gun crtgs.	389

Packed: 100 and 250 in a lithographed tin

# CAPS AND PRIMERS

Priming mixture non mercuric and free from chlorate salts,  
non corrosive - non erosive - stainless

Utmost sensitivity and uniform power and rate of ignition

Nickel, zinc or tin plated brass primer caps

**SUR**  
non corrosive

**SUR**  
non erosive

**TABLE IX**

Cat. No.	Dia. in.	Bottom type	Thick. in.	Dimensions		USE	Cat. No.
				1 : 1	2 : 1		
372	.177	flat	.016			SUR Pistol and revolver cartridges	372
373	.177	flat	.024			SUR Ber Machine-gun crtgs.	373
374	.199	flat	.018			SUR Sten Mach.-gun crtgs.	374
375	.199	round	.037			SUR Mannl. Rifle crtgs.	375
376	.211	flat	.024			SUR 45 Thomps. Machine-gun crtgs.	376
377	.211	flat	.030			SUR Spriengfield rifle crtgs.	377
378	.217	round	.024			SUR Rimmed cartridges	378
379	.217	flat	.032			SUR Mauser Rifle crtgs.	379
380	.250	flat	.030			SUR Enfield rifle crtgs.	380
381	.254	round	.016			SUR Shot shell	381
382	.254	flat	.016			SUR Shot shell	382
383	.315	round	.034			SUR 12,7 and 20 mm. crtsg.	383

Boxer Type anvil primers

385	.175	round	.020			INOX 30 Carbine crtgs.	385
387	.210	round	.027			INOX 30 Rifle crtgs.	387

Hunting - Shooting

and

Sporting

Rimfire Cartridges

# Cal. .22 Long Rifle



## RIMFIRE CARTRIDGES

Owing to its excellent performance the .22 Caliber is getting more popular every day among senior, junior shooters and marksmen.

GIULIO FIOCCHI after years of endless studies and severe tests, is now able to offer a complete set of cartridges .22 Caliber, for shooting and hunting repeating and automatic rifles or pistols in the following series:

**SHORT**

**LONG**

**LONG RIFLE**

**EXTRA LONG**

The excellent performances obtained with these cartridges, testify to the high physical-chemical and mechanical properties, constantly maintained by our technical staff.

Owing to the use of stainless, non corrosive, non erosive, non mercuric Priming mixture



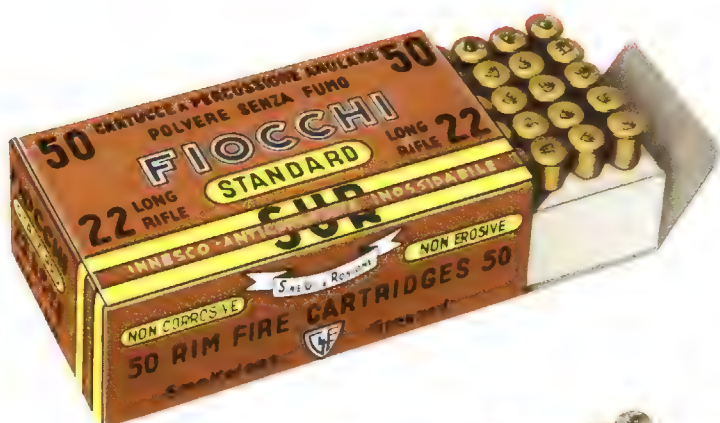
**NON CORROSIVE - NON MERCURIC - NON EROSIVE**

guarantee is given of uniform ignition and perfect stability of the load under all climatic conditions.

The use of the special quality nitro-cellulose powder, especially made-up for these cartridges, assures perfect rate of burning under all kinds of weather conditions and temperatures.



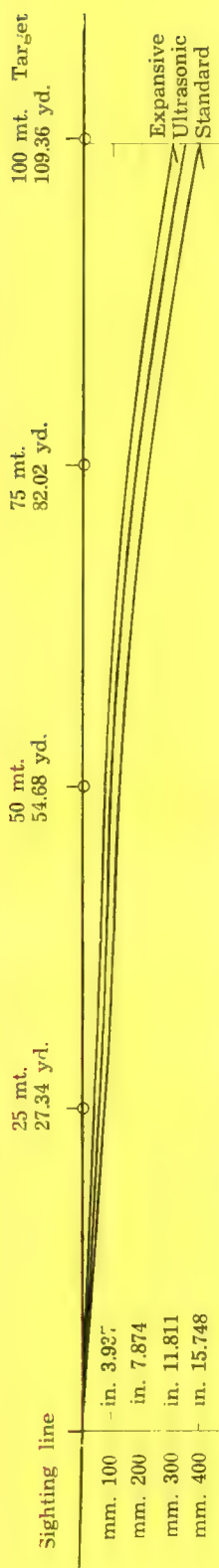
## Rimfire cartridges



## RIMFIRE CARTRIDGES

300	<b>.22 SHORT « TRAINING »:</b>	Special for training to be used in bolt action and autoloading rifles and pistols; brass case, copper plated solid lead bullet.
301	<b>.22 SHORT (NORMAL):</b>	For olympionic Beretta pistol and similar competition types for running target shooting; 25 meters high accuracy; brass case greased, solid lead bullet.
701	<b>.22 SHORT « OLIMPIONICO »:</b>	Special for automatic competition pistol with a controlled elastic reaction; extreme accuracy, smooth recoil.
302	<b>.22 SHORT « V 50 »:</b>	High speed cartridge for autoloading rifles and automatic pistols; good accuracy at 25 mt. range and longer; nickel plated brass case, greased and copper plated, solid lead bullet.
303	<b>.22 SHORT « EXP »:</b>	Special for hunting, to be used in autoloading rifles and automatic pistols; high speed, extreme accuracy; nickel plated brass case, expanding, hollow point greased bullet.
304	<b>.22 LONG (HIGH SPEED):</b>	Universal for .22 Long chambered rifles and pistols; high speed, very good accuracy; nickel plated brass case, copper plated solid lead bullet.
704	<b>.22 LONG « Z »:</b>	For indoor shooting; loaded with priming mixture only; low speed, good accuracy up to 25 mt; for bolt action rifles and pistols; nickel plated brass case, greased solid lead bullet.
305	<b>.22 EXTRA LONG:</b>	For .22 Extra Long chambered rifles only; nickel plated brass case, greased solid lead bullet.
306	<b>.22 L.R. « STANDARD »:</b>	Standard for pistols and rifles, the best for target training shooting. fit also for autoloading rifles and automatic pistols. Brass case, greased solid lead bullet.
706	<b>.22 L.R. « CARB. BERETTA »:</b>	Expressly developed for Beretta carbine, brass case, greased solid lead bullet.
307	<b>.22 L.R. « ULTRASONIC »:</b>	High speed for long range shooting; extreme accuracy, suitable for autoloading rifles. Nickel plated brass case, greased copper plated solid lead bullet.
308	<b>.22 L.R. « EXPANSIVE »:</b>	Expressly studied for hunting of small rabbits; high speed, optimum accuracy; hollow point bullet, suitable for autoloading rifles; nickel plated brass case, expanding greased solid lead bullet.
309	<b>.22 L.R. « COMPETIZIONE »:</b>	Special for competition free rifles; very high accuracy for the best score; brass case, greased solid lead bullet.
310	<b>.22 « AUTOMATIC WINCHESTER »:</b>	Special for automatic mod. 1903 « Winchester » rifle; nickel plated brass case, knurled and greased lead bullet.

# RIMFIRE CARTRIDGES



graphic of trajectories up to 109 .36 yd. for .22 Long Rifle

TABLE X

Cat. No.	BALLISTICS				DIMENSIONS			
	V 10 ft./sec.	$\pi$ lbs./sq. in.	E ft.lbs.	Penetra- tion * in.	Case length in.	Bullet weight grs.	Overall length in.	Powder weight grs.
300	984	12800	58	1.732	.417	27	.689	.92
301	853	7820	43	1.457	.417	28	.681	1.05
701					.417	28	.681	.92
302	1230	14940	93	2.953	.417	28	.681	1.34
303	1230	14940	88	2.756	.417	25	.669	1.05
304	1230	12800	93	2.441	.610	28	.878	1.46
704	722	7820	33	.669	.610	28	.878	
305	1148	10670	114	4.724	.732	40	1.102	1.53
306	1082	11380	103	4.331	.610	40	.984	1.34
706	1000	13510	87	3.937	.610	40	.984	1.08
307	1214	13510	127	4.724	.610	40	.984	1.53
308	1230	13510	123	3.543	.610	36	.974	1.53
309	1066	10380	99	4.330	.610	40	.984	1.31
310	984	8540	96	2.756	.661	45	.896	1.31

\* Test conducted at 16 ft. in fir wood

V10 = instrumental velocity at 33 feet (10 metres)

The data of this table are given as average indicative values.

TABLE XI

PACKING			
Cat. No.	Wooden case of 10.000 Dimensions in.	Volume cu. ft.	Weight lbs.
300	13.4 x 10.6 x 4.5	.388	62
301	17.5 x 12.8 x 4.5	.600	67
701	17.5 x 12.8 x 4.5	.600	67
302	17.5 x 12.8 x 4.5	.600	68
303	17.5 x 12.8 x 4.5	.600	67
304	17.7 x 10.8 x 6.1	.742	73
704	17.7 x 10.8 x 6.1	.742	71
305	17.7 x 10.8 x 6.1	.918	91
306	18.1 x 12.0 x 6.7	.847	90
706	18.1 x 12.0 x 6.7	.847	69
307	18.1 x 12.0 x 6.7	.847	90
308	18.1 x 12.0 x 6.7	.847	85
309	18.1 x 12.0 x 6.7	.847	90
310	15.3 x 10.8 x 5.7	.565	101

## RIM - FIRE CARTRIDGES (Flobert)

Brass or gilding metal nickel or tin plated cases

Cat.  
No.

326 (\*)



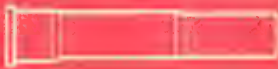
Flobert 9 mm. Cal.  
Long Shot

325



Flobert 9 mm. Cal.  
Short Shot

321



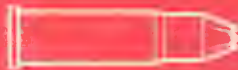
Flobert 6 mm. Cal.  
Long Shot

320



Flobert 6 mm. Cal.  
Short Shot

327



Cal. .22 Shot

### BALLISTICS

Cat. No.	Cal.	Velocity V5 ft/sec.	Pressure Tons/ sq.in.	Shot Weight grs.	Rifle
326(*)	9 mm. long	722	3.18	109.55	Single act. or automatic
325	9 mm. short	525	2.53	73.29	Single action
321	6 mm. long	656	2.22	30.86	Single action
320	6 mm. short	492	1.84	18.51	Single action
327	.22 shot	951	5.70	23.14	Single act. or automatic

(\*) **NOTE** - The 9 mm. long shot cartridges are available in shot sizes  
7 - 8 - 9 - 10 - 11 identified by differently coloured overshot wads:  
yellow - blue - orange - purple and green respectively.



# RIM FIRE CARTRIDGES (Flobert)

Brass or gilding metal nickel or tin plated cases

No.  
Cat.

324  
bis



CONICAL BULLET  
9 mm. Cal.

The most accurate fire  
The greatest  
working of the arm.

324



LEAD BALL  
9 mm. Cal.

Popular type  
The highest accuracy  
with rifled barrels.

323



EMPTY CASE  
9 mm. Cal.

Primed only shells  
to be loaded  
by marksmen.

319  
bis



CONICAL BULLET  
6 mm. Cal.

Accuracy in fire  
High speed  
and penetration.

319



LEAD BALL  
6 mm. Cal.

Particularly for indoor  
target shooting.

318



BLANK WAD  
6 mm. Cal.

Cattle  
Killer type  
with self-destroying  
paper wad.

317



BLANK STAR  
6 mm. Cal.

For semi automatic  
Pistols  
Absolutely smokeless.

316



EMPTY CASE  
6 mm. Cal.

Primed only shell  
to be loaded  
by marksmen.





*FIOCCHI rim-fire - SUR - shot cartridges can be used continually with full ballistic efficiency, without formation of harmful residues or foulings in the barrel.*

- Metal case is absolutely waterproof in any climatic conditions and assures a perfect action also in automatic rifles.



- SUR - primer  
non corrosive,  
non erosive,  
free from mercury  
fulminate and chlorates,  
and nitrocellulose  
powder leave the barrel  
clean and shining,  
thus assuring,  
in the meantime,  
continuous accuracy of fire.

**TABLE XII**

Cat. No.	Cal. mm.	TYPE	Bullet or Shot			Eff. range yds.	Vel. V/5 ft/sec.	Packaging boxes	Cat. No.
			wgt. grs.	dia. in.	No.				
316	6	Empty primed case	—	—	—	—	—	lit. tins of 100	316
317	6	Blank star crimp.	—	—	—	—	—	» » » 100	317
318	6	Blank wad	—	—	—	—	—	» » » 100	318
319	6	Ball	16	.221	—	22	600	» » » 100	319
319bis	6	Conical Bullet	16	.221	—	22	600	» » » 100	319bis
320	6	Short shot	18	.059	12	9	430	cartons » 50	320
321	6	Long shot	31	.059	12	13	492	» » 50	321
322	6	Bayard-con. bullet	18	.232	—	27	705	lit. tins » 100	322

The data of this table are given as average indicative values.

**TABLE XIII**

Cat. No.	Cal. mm.	TYPE	Bullet or Shot			Eff. range yds.	Vel. V/5 ft/sec.	Packaging boxes	Cat. No.
			wgt. grs.	dia. in.	No.				
323	9	Empty primed case	—	—	—	—	—	lit. tins of 100	323
324	9	Ball	59	.339	—	27	492	cartons » 100	324
324bis	9	Conical Bullet	56	.339	—	27	492	» » 100	324bis
325	9	Short shot	74	.067	11	13	492	» » 50	325
326	9	Long shot	108	.075	10	19	600	» » 50	326
				.083	9				
				.090	8				

The data of this table are given as average indicative values

**TABLE XIV**

PACKING								
Cat. No.	Cal. mm.	TYPE	Quantity No.	weight		Dimensions in.	Vol. cu.ft.	Cat. No.
				gross lbs.	net lbs.			
316	6	Empty primed case	50.000	68	60	17.7 x 11.8 x 11.0	1.35	316
317	6	Blank star crimp.	50.000	64	55	17.7 x 11.8 x 11.0	1.35	317
318	6	Blank wad	50.000	64	55	17.7 x 11.8 x 11.0	1.35	318
319	6	Ball	25.000	99	90	13.9 x 13.0 x 9.5	0.93	319
319bis	6	Conical bullet	25.000	99	90	13.9 x 13.0 x 9.5	0.93	319bis
320	6	Short shot	10.000	62	55	17.3 x 15.4 x 5.9	0.92	320
321	6	Long shot	10.000	90	82	17.3 x 14.7 x 7.9	1.20	321
322	6	Bayard-con. bullet	25.000	99	90	15.7 x 15.7 x 8.3	1.18	322
323	9	Empty primed case	10.000	42	33	16.1 x 9.5 x 15.4	1.39	323
324	9	Ball	10.000	128	119	15.7 x 11.4 x 10.2	1.10	324
324bis	9	Conical bullet	10.000	134	126	15.7 x 11.8 x 10.6	1.10	324bis
325	9	Short shot	5.000	79	73	15.0 x 10.6 x 8.3	0.80	325
326	9	Long shot	5.000	121	113	16.6 x 11.4 x 10.2	1.12	326

# RIM - FIRE CARTRIDGES

**SUR**  
non corrosive

.22 SLAUGHTERING

**SUR**  
non erosive

For « TEMPLE COX » Mod. V and « SPAL »

For slaughtering horned cattle, horses, sheep, etc.



311  1st Degree Green Brass Case

312  2nd Degree Red Brass Case

313  3rd Degree Black Brass Case






















314  4th Degree Violet Brass Case

Cat. No.	In. Cal.	Type	Case H In.	Rim $\phi$ In.	Rim thickness In.	Degree	Colour
311	.22	1st Degree	.630	.270	.040	For bulls and big cattle.	Green
312	.22	2nd Degree	.630	.270	.040	For horses, pigs medium sized cattle	Red
313	.22	3rd Degree	.630	.270	.040	For calves and foals	Black
314	.22	4th Degree	.630	.270	.040	For sheep and dogs	Violet

Packed: 100 in a box - 2.000 to a parcel

Cat. No.	Cartridge size In.			CARTRIDGES FOR POWDER ACTUATED TOOLS .22 In.						
	Case H	Rim								
		φ	h							
750		.279	.049		White  Very Light	Green  Light	Yellow  Medium	Blue  Heavy		Red  Extra Heavy
751		.270	.046		Green  Very Light	Yellow  Light	Blue  Medium	Red  Heavy	White  Very Heavy	Black  Extra Heavy
752		.270	.040			Green  Light	Yellow  Medium	Red  Heavy		Violet  Extra Heavy
753		.270	.040		Green  Very Light	Yellow  Light	Blue  Medium	Red  Heavy		Black  Extra Heavy
754		.270	.040	Orange Brown  Extra Light	Green  Very Light	Yellow  Light	Blue  Medium	Red  Heavy		Black  Extra Heavy
755		.270	.040				Yellow  Medium	Red  Heavy		


Packed: 100 in a box - 1,000 or 2,000 to a parcel.

Cat. No.	Cartridge size In.			CARTRIDGES FOR POWDER ACTUATED TOOLS						
	Case H	Rim								
		φ	h							
760	 .393	.295	.047	Green  Light	Orange  Medium		Red brown  Heavy			
761	 .620	.295	.047						Black  Extra Heavy	
762	 .640	.295	.047	Green  Very Light	Yellow  Light	Blue  Medium	Red  Medium Heavy	White  Heavy	Black  Extra Heavy	
763	 .670	.311	.055	Green  Light	Yellow  Medium		Red  Heavy		Violet  Extra Heavy	
764	 .750	.311	.055				Red  Heavy		Violet  Extra Heavy	

Packed: 100 in a box - 1,000 or 2,000 to a parcel.

# LEAD AIR RIFLE PELLETS

Nº

329  Standard type cylindrical  $\phi$  4.5 mm (.177 in.)

330  « Diabolo » type  $\phi$  4.5 mm (.177 in.)

331  « Diabolo » type  $\phi$  4.5 mm (.177 in.)

Packed:

329 500 in a lithographed tin  
330 500 or 100 in a lithographed tin  
331 250 in a lithographed tin

Packing: Wooden boxes

## TABLE XV

Cat. No.	T Y P E	Quantity No.	Weight		Dimensions in.	Volume cu. ft.	Cat. No.
			gross. lbs.	net. lbs.			
329	4.5 Standard	50.000	53	48	14.6 x 11.8 x 5.1	0.50	329
330	4.5 Diabolo (500)	50.000	66	62	14.6 x 11.8 x 5.1	0.50	330
330	4.5 Diabolo (100)	50.000	66	62	9.5 x 18.5 x 5.9	0.60	330
331	5.5 Diabolo	50.000	100	102	14.2 x 14.2 x 7.1	0.86	331

The data of this table are given as average indicative values.



## Indoor target

*for short-range shooting*



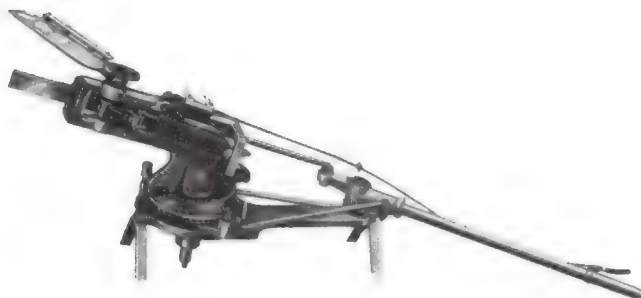
The FIOCCHI target is available with or without stand.  
Special eyelets assure a perfect fastening to the wall.

# AUTOMATIC CLAY TARGET TRAP

registered **“VELOX UNO,,** trade-mark

Patent N.º 254447

Easy, quick, safe  
Electric remote control or hand-operated



Effective projection up to 90 yards range within 90° angle - Change of direction and height of projection is automatic and it cannot be foreseen.

One or two targets simultaneously flying at will.

Packed in wooden case

Gross weight 225 lbs - net weight 172 lbs - dimensions in. 43 x 18 x 27  
volume 12 cubic feet.

registered

**VELOX DUE**

trade-mark

Italian patent N.º 520931

**Features:**

Uniform, variable angles that cannot be guessed by shooters are delivered because of the continuous oscillating movements of the throwing arm.

Easy to cock: no operator's strain... just simply lifting a lever.  
Equipped with a « ready » remote signal coupled with a safety device.  
Push-button remote control.

Target - throwing in accordance to the rules 1954 of the « Fédération Internationale de Tir aux Armes Sportives de Chasse ».  
Throwing rate: 7 targets about per minute.

Streamlined. Rugged construction. All parts made of well-treated steel to withstand prolonged continuous operations.  
All working parts protected.

Designed for operation on 220 Volt - 50 cycles monophase A.C. power supply.  
Traps operated on different currents and voltages on application only.

Motor power: 0,3 HP.

Weight: approx. 165 lbs. (75 kilos).

Floor space: 23½ x 15¾" x 19½" height (cm. 60 x 40 x 50 h.)

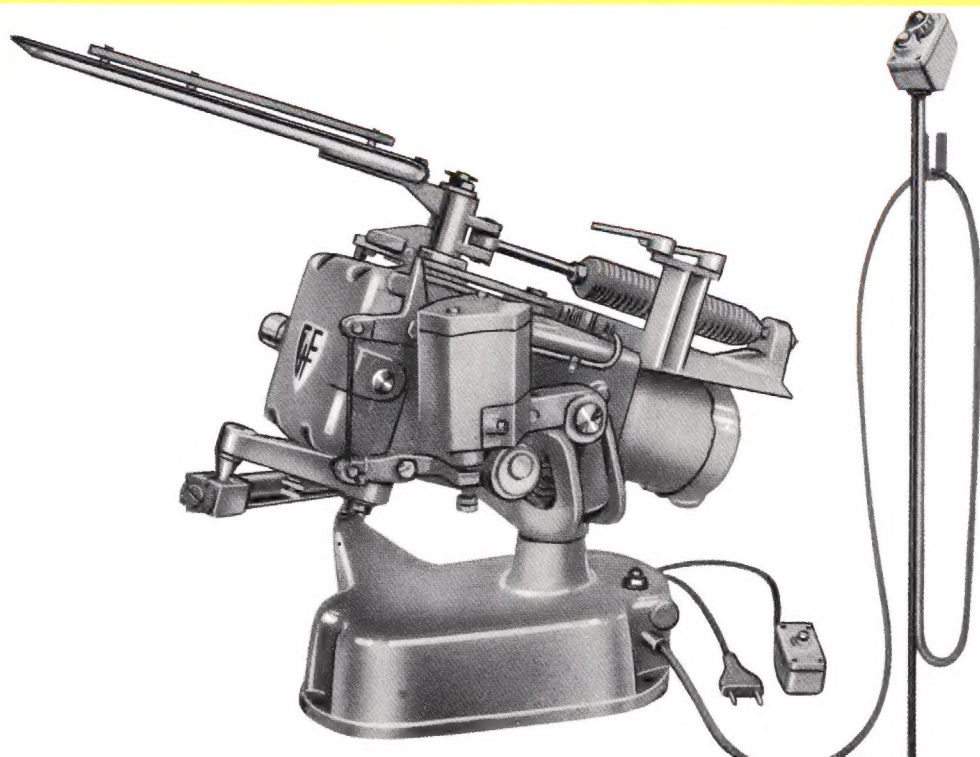
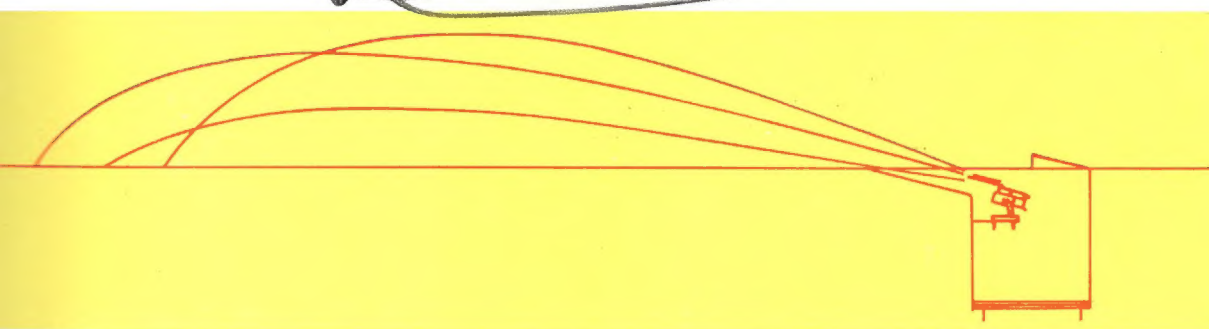
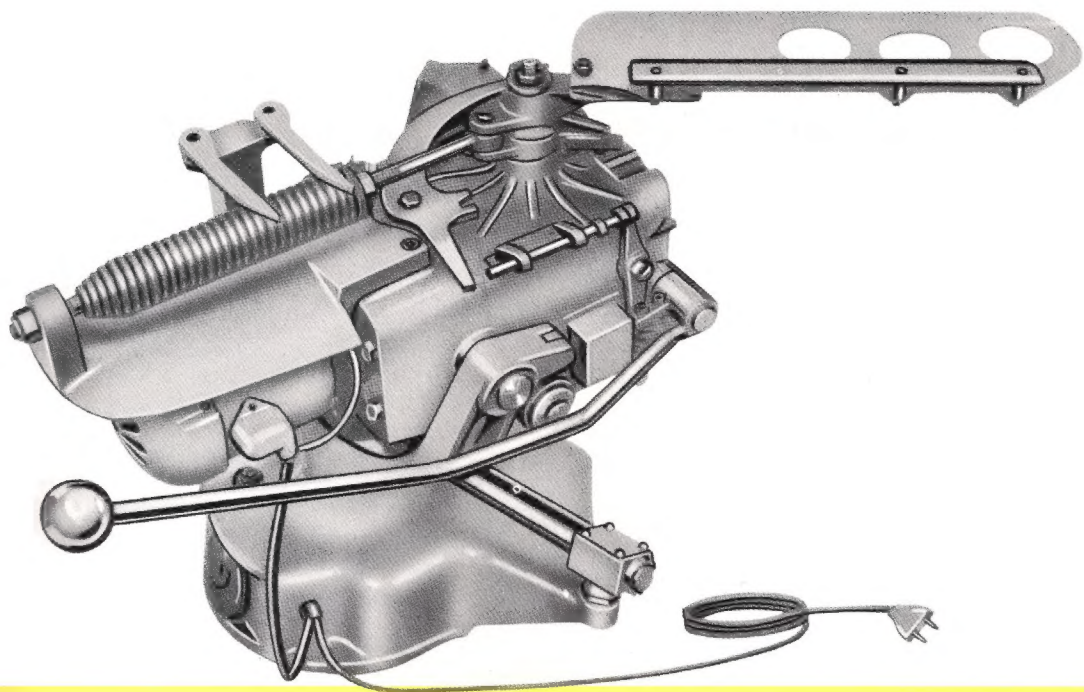
**SERVICE:** The Technical Staff of the Giulio Fiocchi Inc. will be glad to give the customers any possible assistance in the laying out of shooting grounds.

Packed in wooden case:

Gross weight 209 lbs. - net weight 165 lbs.

Dimensions: in. 28 x 19 x 23

Volume 7 cubic feet.





*S.p.A. Giulio Fiacchi*

*Lecco (Italy)*



